

SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> Novel Human Polynucleotides and the
Polypeptides Encoded Thereby

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tcattgggga	tgaaaatggt	aaaagctagc	ccaaagcaca	ctacgtacat	gcaggagttg	240
cctaaaagca	catatgatta	aaaactccaa	agaaaacgca	aacncttttg	gatttacgat	300

actgtaagat agctccca tct

323

<210> 40
<211> 496
<212> DNA
<213> Homo sapiens

<400> 40
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acaaaatctt cctgattgat gaaaaaccag tgttgatatt gggtaagctg gtgacaatga 120
ctccaaagat catccagaac cttcacacca aggagggatt ggctaaccat ggactgaaag 180
aaggggacaa ctggatgagg agctggtaaa gccagaaaat ctgaggcgtg tgctcaccan 240
ggtgacagat gagaccttct gatgctctct tgcccgtgca cacttccatt ctctgagtct 300
tttgggtcaa gatctgagct ttcaggggagc acaccaatgg catgaacctc tctgatgcct 360
ctgagcccag ccttagcatt ctcttcttca tgagctacta cctgtctaca gcagccaaca 420
actcttctgt caaactcttg ggtctatgcc anggtaaaaa ccataaagna ctgcagggtg 480
cttaaccctt tgagga 496

<210> 41
<211> 331
<212> DNA
<213> Homo sapiens

<400> 41
aacctctgtc catgagcaat ggatgacctc aggacaagaa tgcaataact tggcctgatg 60
ttgtgaagtc acggtccatc cagggatggg caagaggatg accagaacca tctcgagagg 120
ggctggaaag ctgcctcacg tatgtggtcc tgtgctgtgt ctacatgttc ctactcgcc 180
tctacaacgc tcatggcacg agggaggaaa tgggggtgcag aggctaagga acgtgcccaa 240
agccctacag ctggtgtatt agtaatctac tgctgtgtaa ccaattgccc caaaatttaa 300
atgtgtaaaa caacaaagac gtctaactca t 331

<210> 42
<211> 238
<212> DNA
<213> Homo sapiens

<400> 42
ggagggagaa gatcccatag cagcttttgc gtcccttact gatttatgct ctggaagata 60
agacacgctt tgcaagattc agctgacgca gacctgctgt gtcattattac tttctttgtc 120
ttgctggaaa gaagtgcata atacctaaagg aaacctcctt gtggcctcca ttaacccag 180
ctagcaccta ccaaatcagc aaaatccgaa atatgattta aataaattat gcttaaag 238

<210> 43
<211> 565
<212> DNA
<213> Homo sapiens

<400> 43
cctgctttta ttcanaactt gaaggacatg gncgccgga gggagaagat tcattcgnc 60
attgaccccg agggangnt tttnacttc cgccgccctg ggatgcgggg cttctttnt 120
tcttcaaca cattcttggc ttcattcatg ggcccggaag aatcttggcn aatggcccaa 180
tgtccccccc agattcccc agaangggtt caccagaat ccctaaaacc atgccgaang 240
gaaagcttcc catcaaaaat ttggtcaagg gcnatatcat caaagggaag tattgccacg 300
aagaaccaat cgggggggaa cnggcccggg angccccggg aagttttccc gggaagaaa 360
cgaagccaaa aaagccgcca ntncctgggg gcctttgctt gggaagaaac cttttctaaa 420
aaanggccac cttttggggc ccttgccgcc atcattggga cttttttttc aagcttttcc 480
cttccccaa ggaatcaaa ttttctttac caccaaactt cnttgtgtng gcnttttttg 540
ggacaaaaa tttaaaaagc tttag 565

<210> 44
<211> 684
<212> DNA

<213> Homo sapiens

<400> 44

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ccagttttacc	ttggcaacca	ttccaagtta	ttttggaaaa	aaaggaatgg	aatttttttgg	120
cttttcattt	tggcaccttg	gccctttttg	gcttttcttt	cggtcacaaa	aggaatttttc	180
ccttaaaaagg	ggaaaaaaat	ggggggccac	ccaccaaga	aaattccctt	ggggaagnaa	240
aatcctggct	tcccaaaaagn	aaaccttgga	ttaaccccaa	aagnaaattt	tggggattct	300
tggaagnaag	gggtaagnaa	aggggaaaat	gggaaattcc	ggtaaagntn	ggggaattgc	360
cttgccattt	tggtccttac	caattcttcc	ccttttaagg	gaaccttcca	aaaaaggaac	420
ctttttaagg	ttccttttcc	ccaaggggtg	ggccccaagc	cttggaattt	taacccttcc	480
cccaagncc	tggttccaaa	ggggcccctt	tccccttttg	gggaaaaaac	ctttgggggg	540
cctttccaaa	ggccttttgg	gaaaggaagg	naaaaccctt	gggggccttt	ttaattttnc	600
cccnaaggna	aattcnaacc	aaccttttnc	cccntttttt	nccctttggg	ggggggaaaa	660
aggttncctt	taaccaattt	ttcc				684

<210> 45

<211> 259

<212> DNA

<213> Homo sapiens

<400> 45

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attgggtaca	atagcctgga	actcctggac	tcaagtgate	ctcttgcttc	agctttccta	120
gcagctagga	ctacagggtt	gtgccactgc	atccaacgtg	gacccctttt	tgtatgccac	180
aatctatcca	gtgcctttcg	ctaagctttg	caatttccct	cctatttgta	atattaatgg	240
tttatacttt	ttgattttat					259

<210> 46

<211> 346

<212> DNA

<213> Homo sapiens

<400> 46

gacaaaaaca	atgacagact	tgtccgagct	accatcgaag	tcttgggtct	gcacgcaaag	60
gatggaatcc	cccactctca	ttcccaaaaag	tttccttacg	ggagcctggt	gttgtctcct	120
ccggaactgt	cctcgcggt	gcctgttttt	ccttagccat	ggttactgcc	tgcgggggat	180
tcagcctgtg	aaggcagtc	aggcagttca	ccactgtcat	caaacctaca	cccctgtgtg	240
catgcgcaca	cacacttgta	acccagtggc	acaatgcagg	aattagggaa	gcaaaggcaa	300
atcgctgaat	agctagggca	cctgatccct	gtaagggccc	atcaag		346

<210> 47

<211> 203

<212> DNA

<213> Homo sapiens

<400> 47

atcaatgaaa	caagaacaaa	gaggagaatc	aggaagtcag	cagtatgtct	cctttatttcc	60
cctatgcttt	agagtgaaga	gaaataccag	aatctggaac	caggaagtga	gtcctctagg	120
gatgaggagg	tattcagctg	gatggccttt	taaaacattt	cctccagagt	cttctgcctg	180
attaaaaaca	gttttcgtcc	tag				203

<210> 48

<211> 213

<212> DNA

<213> Homo sapiens

<400> 48

ctgagatcaa	tgaacaacg	aacaaacgag	gagaatcacg	gaatgtcagc	angtatgtct	60
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gtcctctagg	gatgaggagg	tattcagctg	gatggccttt	taaaacattt	cctccagagt	180
cttctgcctg	attaaaaaca	gttttcgtcc	tag			213

<210> 49
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 49
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 cggtctctac cgaggacccc tggatcaacc cgctgggtccc tcaattaccc tagaaaattc 120
 ccctctggag gacaccaaac tgcaggggccc cttcttcacc cctaaccagc aggaagtagc 180
 cagaacgact gccacacggg tcccaacagc agttgggggtg tcctgttttag aggcaggact 240
 gagaggaggt gccagctggg cttcctgggt caaggaaggg ggtnaaaaaa gctgngaaac 300
 tcactcattt cctgcatcag gacttacttc agtcctgttt t 341

<210> 50
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 50
 acaaagaagt ctctgcccag ggctcgttgc tttaaagata ttctgatgca aaatgccagt 60
 actctgctcc tccattctac agatcaacaa atctttctac agccagggtgc aggggggtct 120
 tgcctgtaat cctagcactt tgggaggcca aggcaggcag atcacttgag gtcaggagtt 180
 tgagaccaac ctggccaaca tgatgaaacc ccattctctac taaacataca aaaacattag 240
 ctaaactggg tgtcgcacgc ctgtcgtccc ancttctnng gangnttgag gcaggaaaat 300
 cncttgaacc tgggaggtgg aggctgcagt gagctcc 337

<210> 51
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 51
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 attctataga tctgcgatgc cggggcagtg atgtcatcat gattgagagc agctaactat 120
 ggctggacgg atgacaagat ttgtgatgct gaccatttc agatggagaa tacagactgc 180
 tacctccccg atgccttcaa aattatgact caaagggaca tctctgaagg tctctgcaa 240
 ctccagagct cccgcctga ggaatttgct gggcttttgt tgcgantgnc tngaagttcg 300
 ccctttaa 308

<210> 52
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 52
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 ttctcctgcc tcagcctcca gaatagctag gattacaggc gcatgccacc acgcccggct 120
 aatttttgta ttttcagtag agaagggtt tagccatgtt agtttagccag gctgatctcc 180
 aactccgacc tcaagtgatc cgcccgcctc ggctcccaa aatgctggga ttacaggcat 240
 gagccaccgc gccagcccc aggcaacata ttttcttaag gnanctttta anaaggccat 300
 gcatttccac atttccacac ctttcattac t 331

<210> 53
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 53
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 tctcagtgcc tcaaccagca gctacaagtc agagtcaagc ccattatgac cccttcttcc 120
 tgcctgagct ttggccccag atattctgag aggggttggg tctccaggg catcgacctc 180
 acagctctgt cttctgtcct gagctcttct cctggcatgt aaattcagga ctgagataag 240

ccctgccctt catagccctt ttggatgctg cgtgactacc tngaatcan ggaggactgg 300
 aaaagacatt agggagggtta cc 322

<210> 54
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 54
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 agacgctgca ttcttagatt gaaggcctgg ctcttggtgg acagccttct ctctaaagct 120
 actctctcca gggtctggca actgcagcca aagggccaaa gtgtatgact caggagtgtt 180
 acttgaattc ctggaaccag ctatgcctga agtcaatcca ttccagttgc actttcttca 240
 ttctaaatct ccctgttctt tcaaggatgc ctgggttgcg aacngggntt ccngganggg 300
 taatgacaaa gnggcttatt ccccataaat 330

<210> 55
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 55
 angcaaaaca tcgcatcttt ccattttata ggacaatgcc aactcctgaa gatcttgctc 60
 taagtggta aagggtgagc atactgcagg caacaaaaga tcgagcatac tacaggcaac 120
 caagggtcaa gacaaattta caggatccct ccctaccgtg gccactacc agcttcccag 180
 tagtgcttct ctaatttgct gcccattgga atggagacaa atacctgcag aagaacataa 240
 tcaaaactca aaggaaagta agggaggagca agttttttta aaagggattc cagttggcaa 300
 tcctcttggt actaattctt gttga 325

<210> 56
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 56
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 acacatgaaa agaaaatgct ttcaaggacc aaaggaattc atctacaaat atggaatttc 120
 cagcatggaa gtcagtgaca aagccctggc atacccccat cgcaggtgtc gtgagaacac 180
 cgtccagtgg gacgaggcca gccctgccct gagaagctga gattcccacc ctacctggag 240
 ggagctgagc accctcacag caactctgag cccctgactt caaanggaaa cttttttcct 300
 gtggtatcag acgtagaggg cgggctcttt 330

<210> 57
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 57
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 tagcctccct gagtaactgg gaccacaggc atgaaccacc atgccagct acctttaaaa 120
 aaatagagag agagacaggg tctcactatg ttgttcaggc tggctctctaa taaattgtta 180
 ttaccaatga aaaaaaaaaa 199

<210> 58
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 58
 actgagttct ttgccttggga acacgacgag gaccttctcc ttcttgagag gggacacgcc 60
 tttcatcatc ttctgctaag aggcgccct ccaccaccct gcatgagtaa gacacagcct 120
 ccctgcagca cagaggaggc ttntgtgagt gcccanggca tcaccaaggt caggggagaac 180

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ctcttgaggt	aactngca	tgtgtcacga	agccgaanag	ggttgaggg	gattgcgtga	240
tccccatcct	gntcatgggc	caccacccca	ntccactcan	aagataaggc	ctcctngatc	300
anatncaatg	actcattgca	tgttatcccc	gcacttttan	aagcttangt	nggccccgatt	360
ggctgaaccn	cattantttt	taagaccatn	cctggccaan	aatggnggaa	ccccatttt	419

<210> 59
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 59						
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ctgcctccca	aagcggttgag	attacaagcg	tgagccacca	ttcctggacc	ctcgtagttt	120
ttctggagcc	tcgtgatntg	atatgatctt	cctgccgctg	attcctcaca	gtattggctt	180
gccacacctc	caggggcact	gatcacattc	tacctggcat	tatttcatct	gagtnccctgn	240
cctanccctt	ctgcccatta	gactgtaacc	ttgtttaggg			280

<210> 60
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 60						
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aggtgctatg	gaaatagcac	atgctaaagg	agtcttctaa	gcagcccana	ggcgatgaca	120
taccagtgcc	agcagaggag	gagaaccacg	cttcagtata	acaaaaactt	cnaatgaatca	180
tgcnaaatgt	ggaaaagtcg	aatagacatg	gctgaggata	aaagaaaaga	acgtacacat	240
aatctcacta	cccagagaga	agcaatgttg	acatatttct	cttcctcaat	gcatatttat	300
atattgttga	tatttttact	gtctgtgcaa	ttttgcttta	attaacatt	tagattatg	359

<210> 61
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 61						
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gcatactcgg						70

<210> 62
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 62						
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ctttinggacc	agcaagagac	tagantngaa	acagagttta	aacaagcatc	ataacccttg	120
aagcnaattt	tatcatgatt	tcaattttgca	tattaagaaa	ctaagatttg	gaaaaaaaa	178

<210> 63
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 63						
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aattctccta	agtttagggg	gagacagaac	cacctagaat	cactgacacc	ttgattcaac	120
acaatccgca	gaccgggtga	ttaaataaag	cactttgggt	ttttcat		167

<210> 64
 <211> 435
 <212> DNA

<213> Homo sapiens

<400> 64

gggcattcaa	gataagccat	catatcccct	gtggcctgca	cgtacacatc	cagatggccg	60
gttcctgctt	taactgatga	catttcacca	caaaagaagt	gaaaatggcc	tgctcctgcc	120
ttaactgatg	acatgggtct	gtgaaattcc	ttctcctggc	tcacccctggc	tcaaaagctc	180
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taattttcct	ttacctaccc	gaatccctata	aaacggcccc	acccctatct	ccctttgctg	300
actctctttt	cggactcagc	ccacctgcat	ccaggtgaaa	taaacagctt	tattgctcac	360
acaaaaaaaa	aggnnggggg	ggncnnnncc	nattttgggt	tnaaacnnnn	gnantttntt	420
ttaaaagggg	ggggg					435

<210> 65

<211> 355

<212> DNA

<213> Homo sapiens

<400> 65

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aacctccgtc	tcccgagttc	aagcgattct	cctgcttcag	cctcctgagc	agctgggact	120
acaggcatgc	accaccatgc	ccagcttatt	tttgattttt	tagtagagat	ggggtttcac	180
catattggcc	aggctggtct	cgaatccctga	cctcgtgatc	cacctgcctc	ggcctcccaa	240
aatgctggga	tcacacgcgt	tagccaccgc	acccagcctt	atttacctat	taaagagcat	300
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<210> 66

<211> 340

<212> DNA

<213> Homo sapiens

<400> 66

gatgtggcag	aagtgacctt	atgtaactca	gaaagaccca	accttaagag	cttctgcttt	60
cctgcttgga	acacccccta	ctgaaaacca	gctgccaaac	aaaagggcca	ccatgctgtg	120
aggaaatcca	agccagccag	tgaagngaag	agtcacatga	aggacgacca	aggcacagtc	180
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tgatccagtc	aacgccataa	gcaacagaag	aacagcccag	ccaagccctg	cctgaattcc	300
tgagccatga	ttcataagca	aattaaacag	ttattgtttc			340

<210> 67

<211> 439

<212> DNA

<213> Homo sapiens

<400> 67

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cccaccttaa	ctgatgacat	tccaccacaa	aagaagtgtg	aatggccagt	ccttgccctta	120
actgatgacg	ttaccttggt	aaagtccttt	tcctggctca	tcctggctca	aaaagcacc	180
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aattttcctt	tacctacca	aatccataaa	aacggcccca	cccttatctc	ccttcgctga	300
ctctcttttc	ggactcagcc	cgctgcacc	caggtgaaat	aaacagccct	tgttggttac	360
acaaaaaaaa	aagggccggn	ggggccantt	aanntgggan	taaacnaggn	ngannttgnt	420
naaanggggg	ggaccccca					439

<210> 68

<211> 347

<212> DNA

<213> Homo sapiens

<400> 68

ggtctctgtc	actgaagctg	gagtgcagcg	gcgcaatcac	agctcactgc	agcctcgacc	60
tcccagggtc	aagagatcat	cccacctcag	cctccctagt	agctggaact	ataggtgcac	120
gccagtatgc	ctggctactt	tttgttttta	tagagacaca	atctcactat	gttgcccagg	180

ctggtctcat	attcctg	tcaagccatc	cacctgcttt	ggcctccag	agtgtggtga	240
ttacaggtgt	gagccaccat	gcccagcctc	gaatttcctc	tacttggcct	gaagcagaaa	300
gccacagaca	acagagacct	aagctnctaa	tgaataaaga	accccc		347

<210> 69
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 69						
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tgtggcctcc	atccaagtac	caactcagtg	caagaagaca	gcttcgacct	cgtatgattt	120
aatctccaac	ctgaccaatc	agcactccct	actccctggc	cccctaccca	ccaaataatc	180
ctcaaaaaaa	cccagtctcc	aaattttcag	gaagactgat	ttgagtaata	ataaaaactct	240
ggtctcccgt	tcaaaaaaaa	aanggccagn	gnggccantt	nanttngnan	ttanccnggn	300
tgaanttgnt	naaanggggg	ggcttacc				328

<210> 70
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 70						
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tgcttgagcc	caggagtcca	agaccagcct	gggcaataca	gcaagacccc	atctctacca	120
aaaaaaaaatt	taattagctg	ggcatgggtg	tgtgtgtata	tagtttcacc	tactcaggag	180
gctgagatgg	gaggatagcc	tgagtccaag	aagttgaagc	tgacgtgagc	tgtgatcgca	240
ccactgcact	ccagccttgg	caactgggga	aagaccctaa	ctcaaataaa	atttaaatat	300
atatatacac	acacacacat	atacacacac	acacacacac	acacacacat	atacacatgt	360
atnttttgta	ataaatggat	aaacac				386

<210> 71
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 71						
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tttttgaact	ctctctgttg	gcttctgaaa	gctgaatgct	ctttcaaagg	acctgaagat	120
ttcttttgtc	ctcagttaca	ttgagcccac	atttatgagg	cactggtaaa	acatttctgc	180
aggagggagt	tatgtgcatt	gttcctctta	gagaaacatt	gtcacacta	actcctgact	240
gcatgcattt	tgcaaatgca	cagctcagtg	agtgtgtctt	ccggttggtt	gtgggttaca	300
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caaagagttg	ggtggcaagg	gggtagggaa	ggcaacccta	aatgctttga	atgaattatt	420
gaattgacat	ggtccaaagt	gacatttctt	tttaaaatg			459

<210> 72
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 72						
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ctgggcatgt	gtttccttga	gtatattatg	attggaattt	tcccaccttc	ttgcattttg	120
aatatatgcc	agcatttctc	caagatgtat	atcctagagc	aaaatttctg	ggccatagac	180
agagtcttgc	tctgtcgccc	aggctggagt	gatgaggccc	gatcatcact	ccacctgggc	240
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gggattacag	agcccctgtc	atccagactg	gagtgcagtg	gtacaatccc	ggctcactgc	360
aacctccacc	tcctgggttc	aagcgattct	cctgtctcag	cctctcaagt	acctggaatt	420
acaggcatgt	gccaccgcac	cccatgtaat	gtcccgatct	tgatggatgc	actctggtta	480
tagaaatgtc	ctcattttta	ggaaatacat	gccaaagtaa	gtaaaggc		528

<210> 73
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 73
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 ttttgtttct tgagaagtgc cgaatctttt gcatctggtg ctgcgagaag gttcacctgg 180
 ttaaaccatcc tcaagtcagc agcacagctc cttctggaag gcactttaac tggatgggat 240
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<210> 74
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 74
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 caacccccct catgtcatcg caaaggctga ggagatcagt atttcaccac acctttgtgc 120
 ttcacttagg tatcgcaagg aaggaaaact gtctccatct gaagaggaca tagccatgta 180
 tctgctttgt tctcttcttg atttccacgt tccccaaaat gggcagggct ggcttaaaaa 240
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 acctaagtct acagaactgt acacttaaaa atgcttaaaa tggcaaattt tacnttatgt 360
 atttttgact ctctgtctcc cccaaaaaagc aatgaaggct cttccttttc 410

<210> 75
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 75
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 ttttctttac taccggaatc ctataaaaacg gcccccccta tttcctttgn tgactctttt 300
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<210> 76
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 76
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 gctgtgaagc ctagcacttt gggaggccaa gatgggagga tcgcttgagc tcaggagctt 180
 gagaccacc cgggtaacat agcgagacct cgtctctac 219

<210> 77
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 77
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 aggcactacc attggaagat gtgctgggga gaagcccagc ccagcaacat gcggcaggac 120
 cacatctcgg cagagctgaa gacagagacg ttgcagcgac aaggacaact ggcattgcctc 180
 acattcctca gtgttgaaaa caataaaaagg agggggaatg agagaaaaat caaatttcta 240
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 tgtttctacc gtctgggctc tgtgaaaacc tgctccacct cctccttgct atgtgttttc 360

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401

<210> 78
<211> 387
<212> DNA
<213> Homo sapiens

<400> 78

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catcctcacc	agagtgaagt	tcatcactaa	gacaaagcaa	aacagccgga	agcagtgact	120
catgcctgta	atctccacac	tttggggaggc	cagcgagggc	ggatcacttg	agctcaggag	180
tttgagacca	tectgggcat	cagacctcat	gtctacaacg	gaaaaaagac	atcttagccaa	240
gcgtgttggt	gtgtacctgc	agttctagct	ccttggggggg	ctgaggtggt	agaatggctt	300
cagcccggga	ggttgaggct	gcagtgaagt	gagccgtgat	cgccccgctg	cactccagcc	360
tggatgtcag	agtgagaccc	ttgtctc				387

<210> 79
<211> 331
<212> DNA
<213> Homo sapiens

<400> 79

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cagatcactt	gagccccgga	gttgagagacc	agcctggata	acatcgcaaa	atcttgtctc	120
tacaaaacag	acaaaaatga	ggatcgcttg	agccccgggag	gttgaggctg	cagtgagcca	180
cgtttgagcc	actacactcc	agcctgnata	actgagcaag	accctgtctc	aaaacaaaac	240
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acttgctcaa	aaggngggga	ctaccacagga	a			331

<210> 80
<211> 151
<212> DNA
<213> Homo sapiens

<400> 80

agtctcgaac	tcttgacctt	gtgatccacc	cacctcggcc	tcccaaagtg	ctgggactac	60
aggcatgagc	caccacactc	ggccaccttc	actgattttt	tcctttcata	tttctcttta	120
taagtcttct	attaaaatga	aaatgcttca	g			151

<210> 81
<211> 305
<212> DNA
<213> Homo sapiens

<400> 81

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ctgatgagaa	aacaaagcaa	ccagaaaaag	gtggcaaacc	cacactgtgt	atattgagaa	180
atagaactgt	cttcaattag	aacaacagat	ttgccataat	ccataaaaatt	catgttatga	240
gagtttgaag	cagttatgta	caatgtttta	tactacaaag	tagataaaga	ccctccatcc	300
cacct						305

<210> 82
<211> 329
<212> DNA
<213> Homo sapiens

<400> 82

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acaaaacaga	caaaaatgag	gatcgcttga	gcccaggagg	ttgaggctgc	agtgaaccac	180
gtttgagcca	ctacactcca	gcctggataa	ctgagcaaga	ccctgtctca	aaacaaaaca	240

aaacaaaata aacaaacaaa aaaaaaangg ccagnngaggc caattnagnt nggacttaac 300
caggntnaaa tngntnaaaa ggggggggac 329

<210> 83
<211> 443
<212> DNA
<213> Homo sapiens

<400> 83
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ttaacatata acataaatgt gtcataagaa aaagttgaaa attgtggctt ctaatgagtt 180
atctgaaaaa cacttaacat gagatacatc tctcttaata aattgttaag tgcactggac 240
aatattgtca attataggca caaggctgta cagcagatgt ctagaactta ttcatttcat 300
gtaactgaaa ctttatactc attagatagc aacttcccat ttccacctct tcatggcccc 360
tggggaatcac ctttctttct actctctgct gctatacatt tggctacttt agagatctca 420
tacnaataaa tagaatcatg tgg 443

<210> 84
<211> 352
<212> DNA
<213> Homo sapiens

<400> 84
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gccgaggcag gtgaatcact tgaggctcagg agttcgagac cagcctggcc aacatgagga 180
aaccctgtct ctactaaaaa tacaaaaatc agccgggtgt gatgggtgca cctgtaatcc 240
cagctactcg ggaggctgag gcaggagaaat cgcttaaacc caggaggtgg agattgcagt 300
gagccaagat catgccactg cactccagcc tggtgacaga cgagactccg cc 352

<210> 85
<211> 268
<212> DNA
<213> Homo sapiens

<400> 85
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cctgatgtac aacagttaaa gtgcagagaa accctctgcc aaactttggt gtgctttaa 120
agttatggca gtcaggctcc ctttactgtc ataactggaa cacctttcac ttttcaaaag 180
agctgggtgta tctgcttctg gtacaactac aaatatatac ttttgattaa gaaagttgag 240
aaaaaataaa agcagtttaa tttagccc 268

<210> 86
<211> 179
<212> DNA
<213> Homo sapiens

<400> 86
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gaggcaagcg acggaagagt caagatgact aaaagtcttc tgataaaggg tttctttaag 120
gaaaagaaaa tcccacaatg caaccagcaa tgttaatctt caataaatac gctgttaat 179

<210> 87
<211> 362
<212> DNA
<213> Homo sapiens

<400> 87
gactgggtgcc cttacaagga gagtaagtac cacctcatca gggccaccct catctaccag 60
agagctctcc ctctgtccat gggcacacag agaattggcc atgtgaggac acagtgagaa 120
gacagccatc tgcaaaccag gaagagagtc ctcaccagaa cccagccctg cgggcacctt 180

gatcttggac	ttccagat	tggaactgta	ctaaccagaa	gttcaagcta	ggggttggag	240
aaggaaggtc	atacatacag	aagcaagaac	ctcaaccct	agaactgcta	tgaaaatcaa	300
acaaaatgct	atttgtaagt	agtcttctg	tgctggacta	aattaaaaga	actttgcagc	360
tc						362

<210> 88
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 88						
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cccacaagac	tgccagcgaa	atthttgcaga	ctcaagatgt	tccgagagtt	tggaacaatca	120
tcacagtttt	tggaagccta	tctgagacca	tcttctgtga	agttttattca	gctcataagt	180
gtgaataaaa	aattgctaaa	tgtgaactca	aagagacagt	gcagttttac	atctgagtcc	240
actgaatgca	tcacagaagc	agcatgtgca	gcaacaggag	tccaatagcg	tcaaccacca	300
ggaaacaagg	atcacggagc	atgtgagaaa	atggtaattg	agaaggctga	tcaaggaaca	360
cactaaaatt	ggaggcatga	aacacttggc	gaaatggctc	catnggtcca	tctggggatc	420
ctgggaacaa	g					431

<210> 89
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 89						
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ccacgatgga	nagcaaaggc	cagtttcaca	gacccaaata	catttggcct	ctgaacgaca	120
tggttttgaa	ctgngaggat	ccattttacat	gtggattttc	ttctgcctct	gccgtcccag	180
agacagcatg	accagccact	catectctct	ctcctc			216

<210> 90
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 90						
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aggcattatt	catctgattt	tatagatgag	gaaatcaagg	gtcagagaag	tgatgtgact	120
tgcccaaggc	ccacagatgg	taggtggcaa	agccaggact	tggaatccaa	gataaagaaa	180
actcagtggg	aaggagaagt	ttgtgattaa	atccaattaa	aggaatagag	taaaataaag	240
aacacagtaa	atttctcacc					260

<210> 91
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 91						
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tactctgaat	ccagatgtct	gacttcacag	gacaaaacca	ctgcattttac	tgttctcaaa	120
tgattttatt	taagaattta	cgcttctaaa	tttaatccct	gagggtaatg	ggttatgtct	180
taaaatatgt	aatggaacat	taaaaaaatg	aattctttct	tgcttggttt	cggccaaaat	240
gtaaaataaac	tgaatatcaa	atact				265

<210> 92
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 92						
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09428674-102799

gaccgctgct	ttcctgct	ctgtggccag	ggaactcatg	tggtgaagca	ctctggagtt	120
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atggcagtga	ctgaagctca	tgccccacct	cccagctgtg	caaccttggg	gcaagtcact	240
tcacctctct	gggcttcaac	ttcctccttg	gaaagacaga	atgccaacat	ccatcctgcc	300
tcttgccaag	atgttttata	gactgc				326

<210> 93
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 93						
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accttggect	cccaaagtgc	tggaattaca	gaagggagcc	accatgcctg	gcctggagta	120
tataagtgtc	taagaacctt	gttcaaataa	gaaggaacca	gaaaaccctt	cgttatagca	180
attgctctct	cttgaaattg	ctccagatcc	ataacatctc	tcttcattgt	cgggatgtgg	240
atttcatgaa	gatattttga	aggtgctgct	gagacaatgg	ggctttttcta	tataaacaaa	300
gtttttatta	gcttttttgc	ttatctggat	tttactgcta	attaattaaa	gccaataact	360
ttttcag						367

<210> 94
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 94						
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ccacaaactc	agcagcttca	aacaacccaa	atggattctc	tcacagctct	ggaggccaga	120
aggccaacac	tcaaggtgta	ctgggaccgt	gctccctctg	aagccccag	ggaagaatga	180
cttccttgcc	cctgccagct	cctgggtggtg	gccggcggtc	ctgctcgctc	cttggcttgt	240
agacacatct	tcccattctc	tgcctccacc	accgcgtggc	cttctctgtg	tgtctgtgtc	300
cagatttccc	tcatataagg	gcatacgtca	ttggactggg	gccatcctca	tacaacatgc	360
tgtagcctt	g					371

<210> 95
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 95						
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attgtctacg	atcccaaagg	aaacaataat	gcgagtacaa	caaattcttc	ttgcaagaga	120
aaatcctgca	aaactactta	acagaataac	actggtcaat	gctctaatac	tacatttgtt	180
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cagtctaatt	ttattttcag	tttaggttct	tgagcaaac	atctttgcat	aaatatttgc	300
ctcactacta	gcctctctcc	atataagaaa	ccatcatttc	tcttaaaaaa	aaaccacaag	360
ttgttttatt	tccacaatag	gnatctaaaa	gatcattttt	aaaaaaaggc	agctt	415

<210> 96
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 96						
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gatatgtcag	caatgctggt	ggtgccagag	gtttctgaag	ggtctcactg	tggtgcctat	120
gctggagtgc	agtggcacia	tctcggtctc	ctgcaacctc	tgctttccgg	acttaaacga	180
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cccggcta	ttttttgtgt	ttgtggtaaa	gacgggcgtt	tcaccatgtt	actgaggctg	300
gtctcaaact	cctgagctca	agtgatttac	acgcctcagc	ctcccaatgt	atattttctt	360
tgcttccaaa	atgattgttg	agagtaaagc	ttttgatgta	cacatat		407

<210> 97
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 97
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 ttgctgtatt gccctcaaac tcctggcctc aagtgatcct cctgcctcgg cttcccaaact 180
 tacaggctgg acttcatgtg gtatagcatt tcttaaaagt ctcaaagaag tcaactctgt 240
 aatataaagt cctcatatga atngattcta agttgtagnc agccactaat aaacacacat 300
 gcttac 306

<210> 98
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 98
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 ccccatattca acngatgcag acaccccaaa gcccttccc aacagcccga agagaagccc 120
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 ctccccagca cccggcgagg ggggtggtgc 209

<210> 99
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 99
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 aaactcgaat caggagtaga acagacctcc atgtggaagt tcaattatgc taagaggaaa 180
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<210> 100
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 100
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 gaacttccag agaaggcagg agtgagctgt cggggaagga acgacgtctc cttcaggaat 180
 tggttgccagc acttgggtca tgaagccctt ctctgtgtct cctccgactg gaatactcat 240
 cacgtcctct tagctgataa caatagctga ctttaataag tgtagnctt cctatatatg 300
 tgtatgtg 308

<210> 101
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 101
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 agtggagaga gagagatctg aaatgctgcc cttgaagact ggagtgaagt ggccacaagc 180
 caaggaatgc ctgcagcctc cagaagctgg aaaagacaag caatggattc tccaccagat 240
 cctccagagg gagtgcagcg ctgccaacac tttgaactca gccagttat aattattttg 300
 gacttctcca gaactataaa agaataaata tttgaaacc 339

<210> 102

<211> 75
<212> DNA
<213> Homo sapiens

<400> 102
aaagaacgtt ttctggagaa agatacaggg tgccacatca gagatactta ttaagaccaa 60
taaaccacaaa tacgg 75

<210> 103
<211> 489
<212> DNA
<213> Homo sapiens

<400> 103
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tgagagctcac ttttctctgt ctaactgcag gagctgggaa tttgaactgt ttctctcact 180
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aaatcccgcg ggattgcttg agtcctggca cgtgtgaaat gcctgccaag aactgcagag 300
gacagagaca cagtgtctca aaaggggtga atggcaactt tatcatggac attttgggtga 360
ttacaatatc tacatttcct ggggggtctc agaatcacag aaattatttc aagttagtcc 420
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tgtttctat 489

<210> 104
<211> 390
<212> DNA
<213> Homo sapiens

<400> 104
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cactcttgag aatgnaaatt tgtacaccta tccccaaacc tataaggaac taatgataat 300
cccccccacc ctttggctgg actctctttt tcaanactca ggcccaccct tgcnncccn 360
aggtggaaat aaacagccct tgttgcttca 390

<210> 105
<211> 361
<212> DNA
<213> Homo sapiens

<400> 105
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cctactgagc accctgtgac cccactctg cccgccanac aacaaccccc ctttgactgt 240
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c 361

<210> 106
<211> 433
<212> DNA
<213> Homo sapiens

<400> 106
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cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240

aattttcctt	tacctactg	aatcctataa	aacggcccca	cccctatctc	cctttgctga	300
ctctcttttc	ggactcagcc	cacctgcac	caggtgaaat	aaacagcttt	attgctcaca	360
caaaaaaaaa	aaggncnggg	nggccaattc	agntnggact	taaccaggnt	gaacttgnnn	420
aaaagggggg	gac					433

<210> 107
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 107						
gttaagcact	gggaggcaca	gatgtatgag	gacttgccat	ctaggagtca	gagaatcagc	60
acatatcttg	tcatgtcata	gctgaagagc	tgccacctag	acctgttctc	gctgcttcac	120
tctggttttc	ccatggccca	tatggaaggg	aaccagggtt	gggctaccac	cattttttgc	180
tcccagattg	gaggatgggt	gaggcctctc	catcccagct	tccctggata	acttagttta	240
agcttatgac	acatattctc	tgaaaggcaa	acctatgagg	tgtattcaca	aagaggacat	300
caaattccac	ttggagtctt	gtgtcattaa	accattacag	tcagccctcc	atatccctaa	360
gntctgcac	catggattca	accaccc				387

<210> 108
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 108						
gtgtatcctc	acccttctac	gtccatggt	gatcttctcg	ccaagatttt	tctccaatca	60
aaagtccatc	ttccactttc	tctttggaaa	aagaatgcgt	aacagtctca	ctactgcccc	120
tcacctattc	cctttcactg	acatctcccc	aagcccaact	atcattttct	gcctttaaaa	180
aataactgga	atztatataa	atcaatccaa	cgcttatcat	agaccttggt	tcacagtatg	240
cattaaaata	tgtattgggt	gatcattcct	tctgcagtgt	caagcactgt	gccaggcaac	300
agtgattaaa	aataatgaat	gaaaccc				327

<210> 109
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 109						
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catgggacaa	ggagctgnga	ccagtggcca	gcaagaaact	gaagccctta	gtttaacagt	120
ctacaaggac	ctgaacactg	ccaacaacca	catgagcttg	gaaacagatt	cttcctcagt	180
caaggtttna	gatgagaact	tcattccanag	tagcactagg	attgtgctgt	acctgggtctc	240
ctgacagaga	atctctgaaa	taataaatgt	gtattgtttt	aagccag		287

<210> 110
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 110						
actgtatccc	agccactatt	tttccctcaa	cgtcactaaa	tgcaaggga	taatgaaacc	60
acaggagaga	aaaaagcagc	tgtctgaata	aaagaagaaa	gaggtagatg	cacagaaaca	120
gacggacat						129

<210> 111
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 111						
tttgccaacc	atggattaca	gagcaaacaa	aacaaaaccc	caaggacaaa	ataaagaagc	60
agaacacctt	gaagaaagag	ctgattccaa	ctctgaagtg	ggaaatgtat	aggatgggag	120

tggtagaaga	tcagaaag	atcaaaaaca	attgaggaca	tgttcaaaga	actcaggtga	180
caaaagagga	tccactggc	caaaaatggg	acaatgaagt	cttatccatc	ctcctcttta	240
ctgtggtccc	cagaactgtg	tcttgaacat	ggcaaaaact	tgttcagctg	tcatgagaag	300
ttgagtgatg	agaccttgag	cgggaatcat	caatgaaagg	gcccaaggaga	tgagatggag	360
cattgtaatc	aacaaaagtg	cttaacccaa	gaaggggtgn	cccttattta	attacctttg	420
anaatgcttg	tnttttaacg	ttacaaggta	tggcaagaca	at		462

<210> 112
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 112						
acatgccatg	tgctgggcat	aggaagtgtc	gtttcagcca	ccccaaggag	caaccatgag	60
tccagcgtgc	ctgctcgtca	cacctcctcc	tacccttgag	cgccacttct	gagttgctca	120
tcagcatccc	cagctcccag	atggctgcct	ttgtcccctg	ctttcacagc	atggatgtga	180
aaggagcagt	agattaagaa	agacccaaga	taaccctgta	aagatattca	ctgtggattg	240
acaataaaag	ccattag					257

<210> 113
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 113						
agacaatctt	actatgttgc	ctaagctgat	cttgaaatcc	ggaactcaag	taattctccc	60
cctcccagag	tgctaagatt	acagttaaaa	g			91

<210> 114
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 114						
aagacaacgc	gaaaacagaa	gcnnnggatca	gagngatgca	gtcacaaatt	ncacaatncc	60
agggcnnmca	acagcagcta	ggagaggcaa	aaatangaac	cctgattctt	ccctgcanc	120
cctggcagga	gtgnggttct	actgggggtt	ggacttctaa	cctccaaaat	tgnaaaagaa	180
taaatttcng	ttgcattaag	tcctc				205

<210> 115
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 115						
cccttggtgt	tttggagttt	taaaactgaa	gccatgtggt	cacgttttaa	tggcagagta	60
ttaatcaact	gaaaatnant	atttntgaaa	tccaagggca	ataaaaccct	gtggaagcnc	120
ccacccctca	cccattactc	aaattcagac	acnannagac	tgcgtctgtc	ttcatcctca	180
ccatgatgac	ccttcatttc	aagcaatgga	atattttacag	catcatagtg	gagcttgggg	240
tacaagtggg	gcatggtgct	gatagccctg	tgttcggtgg	gacactgccc	tggtggtggc	300
aactggtgca	tgcttcagtt	ctcctccttg	atcctcagcc	acgctcaagt	cgggtgtttgc	360
tgcgcaactc	agcgctcgctg	ctgcccctgc	taatgagaat	tacattgtca	tgtaataagt	420
accttccttg	agtncatgaa	aataaaaaaa	aagtctttaa	aagg		464

<210> 116
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 116						
gtgagaagaa	tacttgcatg	cttctgcttt	ggtccttttg	cacagcagct	cttagaacat	60
aactgcctca	ctcggagaaa	gctggagaga	cccacaagga	gaaaaaagga	ggctcccagc	120

caacaaccag	cacagctt	cagcaaaatg	agttggccat	cttagaagtg	ggctggctag	180
atcccgttga	accacccac	ctactcttcc	tgaacagac	acaagccatc	ccgtgagcc	240
ctagtcaa	tacagattca	tatgcaaaat	aatgcttat	tatttttt		288

<210> 117
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 117						
ggggatattt	ttttttcata	anacctgcct	gtgatgtttc	tctgccgtga	atcatgtcta	60
tatcctcaca	aaggataaaa	accaaagcca	ctagagcaga	gtctttggat	ttttctgaat	120
atggaaagca	nccatgcatt	acattgaagc	atattccaac	gtcaggggaa	agagcactgc	180
ttcctgtcca	tgtcacccga	aattccgtgc	tgagtgttac	tgcgccaag	gacatgttag	240
gatgccacaa	cggttctcat	ctggtccgtg	atactcacag	gctgatgtng	tacactagaa	300
agggagggt	ctttccaagt	tacagaactt	attttgcaat	atttctggg	aaagaattct	360
gctacaagct	ttaatcaatg	taagaaatgc	tgtaactaca	ttaaagtaaa	ctgtacatg	419

<210> 118
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 118						
aagcgccctc	gagaagtgtc	taaaggagac	aagttgatag	ccaaacaaca	gttttggatt	60
cactgactga	ttatgaaaga	agcagtagac	tggtatcaag	aatcagtcag	catgttcttg	120
agcatcctga	gggcagggac	cagccttgac	gaccaccct	ggcagaggct	ccccagcagc	180
agctgctctg	acgagatgtg	ctcccaggag	agagcaacac	tgtgtgggga	aagcccagct	240
ctgagaggcg	gagaaaatgg	gaagatcacc	acctagggtg	gagggcggag	aaagggataa	300
agaggagtac	aaaataaaga	tgaccttctt	gcctaccagc	aggctgagaa	cagatggggg	360
agatcaactg	ttagaaatat	tttagagtgc	agcaaaccac	catggcgcat	gtgtcctgtg	420
tacaaacctg	cagtttctgc	acatgtttcc	caaacnttaa	ataaattaa		469

<210> 119
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 119						
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caaattcttc	ttcagctgta	agttggccct	tactgggct	gcactgacca	gacctgaacc	120
tgactatgtc	atcatgactg	atgccaatgg	gttcatatga	ccattgccat	tggtcaccgt	180
attagatatg	gtgacatcac	tttacacact	tctgagtctn	tccaggcaac	ttgtatgtag	240
tgtgcagtct	gaagcaatgt	ctaattctctc	agaagaagtt	ctcaaaggaa	tgtttccaaa	300
aggaccattt	ttttccgata	tattggaaaa	taaaggctca	cctaaaaat		349

<210> 120
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 120						
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cacatcacca	cactgacatg	cctcatgacc	tgggtaaata	caagatggaa	aaattgagac	120
ccagggaggt	tattttaccat	gccagaactt	gaaccagta	aagatgggct	ttcataatgt	180
tggccaggct	ggtctcgaac	tctgacctc	aagtgatcct	tctgcctcag	cctttcaaag	240
tgctaggagt	acaggtataa	cattggacaa	aagaaaaaaa	attgagaaca	ggggaaagaa	300
gtttccattg	tctctgagge	cttcataaag	agcgaatcaa	gaactgacct	tatttctcag	360
atctggatgt	aaacatgtac	tctttctgcc	tcttgcac	gtgacctcac	catgccagc	420
ataagcttat	gctgacccca	aagtgtggca	gtattattnc	aactcaacaa	gttttg	476

<210> 121

<211> 448
 <212> DNA
 <213> Homo sapiens

<400> 121
 attgaagatg tcctggatag tgttatatat atgagcctgt gttttcagac tttatgaaca 60
 ccttgaaatg agatagaaag tcatttggag ggacaactga atgacacact tctgttcaca 120
 ggtaaccagg accacaagga accacaacag ggaggattac aggatttgtt tatcacctgg 180
 aaaatcttga gataggaaag tacattttcc aggttccttc ttctctctggc ttccagacag 240
 gttcagccaa tggaaaacac tgggtggaaaa ttgaagtaca ggaggaaaca agaagccaaa 300
 gttcattgaa aagttcagga aagaagaaag aagaattcat tgaaagaaga aaagaacagc 360
 agtatggcag gngataaacc ccaagttttt gggtcennnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnaaaagg gnnccggggg gccttttt 448

<210> 122
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 122
 ccaaccttcc agccagagga ggctctctga cccagttcta cccaaacaga cccaaacaga 60
 agcacctgac aagaaagtgg ttatgtttct agagctgcat cagctattta taacctgat 120
 ggcaagtccc agagaactgg tcttgccatc actgagcagt tgaaccaata ccagcatcac 180
 caactttcct gtatatgaga aaaataaact ctatttcttt t 221

<210> 123
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 123
 gaacccccgg agctttctgc atcgggtggg accggcatcc ggtgagaccg cgggtggctct 60
 ctggggctga aaattccaag cagagtagcc cgaggaatcc agccatcccc gaggggttcag 120
 aaatgcaa atcagggtgtg tttcacagc ctggactgga gatcgaccaa aaactatgca 180
 gggctcacc ttgcggggcg gcggctaaat ttaggaaacc aacctctgg agaatgcagg 240
 catcagaagc cctgcagct agggagatca atttcaagtt catttttatt cactgttcac 300
 agatctccca gtttttccca gcgtgttcaa gctggaaagg atttcagaga ttgtgtcacc 360
 tagattttatt ttacagaagg aggaactgt 389

<210> 124
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 124
 aagacaaggc cgtggctatg ttgccaagc tgggtctcaa ctctctgggct taaacgatcc 60
 tcttgcttg gctcccaat gtgctgggat tacaggcatg agccactgtg cccagccctg 120
 aaacaatatt cttgatacat aaagaacttc tgtaagtcag taagaaaaac actaacaatg 180
 taaatattaa aggacataaa atagctaag tacaaaaagt agaaatgtta cagttaataa 240
 acaggagaaa tgcttaacct c 261

<210> 125
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 125
 gtgggggtctt tcagtggaga agtgtggaga aggaaaggag gacctggact gcagggtggag 60
 gaggaccaag gaggtctctg taatatcaag atcaagcgtg ataagatggg gttttgtctat 120
 gttgcccggg ctggtctcga actcctgggg tcaagtgate tgtccacctc ggctcccaa 180
 attgctggga ttacagacat gagccaccgt gtgcagcctg cctctgtcct tctgaaaaaa 240
 agatggtaca gtcaagatga cctagctgta acctggctac tagaggacca aggagaaaaa 300

taaactttcta	ccacgcttcc	gaaaacaagc	actcaaactc	aggagataact	tgattgaagt	360
tgaaaaaagg	ggngcattcc	ccaaggcagt	accctcatga	atgggattag	tgctctttaa	420
taaaagagac	ccaagagagg	tcccttgctc	cttc			454

<210> 126
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 126						
accctgaatg	ccaacaacca	gtttgaagac	ccccacagag	gaacggatca	gcatgagaat	60
gcaggtggtt	cacctccctg	tcccatgttc	accctgcatt	tttcgaccaa	tcaacaaccg	120
ccaagcctgc	ccctttccaa	aacccttaaa	aactctaacc	caaactcctc	agagagatgg	180
atttgaggtt	tcctccctc	tcattcggtg	gccctttgat	taaaccttcc	tctgctgc	238

<210> 127
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 127						
gacatccttc	ccattgacac	tgaggggggc	aactacatgt	tttaatcaga	gcccacagct	60
gcccacaccc	actgcagagt	gagctactct	ccaccaaccc	tgagccctg	aagtttctgt	120
gaccactgaa	gaggcctgtt	ttcagactta	gggtcaaagt	gtgggtgacc	tccaacacct	180
actgtagtga	aggaataaat	gtcaatag				208

<210> 128
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 128						
gcttcactga	gaagatgaac	cngccgatga	ggtgtgcaga	gaactttggc	tgcaacaagt	60
aagaggaaga	ggctgagtct	cagctcagag	agtgtctggt	atgccaaagca	cagcagagct	120
gccagaggga	tctacttgga	atctggggag	gccctgggga	gactaactgg	tacaatttaa	180
agagatgcaa	agcaaattgat	atgcggggca	atcatgtgaa	aagcctgctg	ccttacagga	240
tggaactccag	ctgctcagtg	ggacgggctg	ttgggggctg	ggttttggta	gggcaagagg	300
gccccgggatg	gagtgatgga	cactctaact	cactactccg	ccgtccaata	cagtccagat	360
tgnttaacaa	ctcttaaaaa	taaa				384

<210> 129
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 129						
acggaatctt	gctctgctgc	ccaagctgga	gtgcaatggc	acgatctcag	ctcactgcaa	60
cctccgcctc	ctgggttcaa	gcaattctcc	tgccacagcc	tcccaaccag	ctgggattac	120
aggcaccac	gaccacgcc	ggctaatttt	tgtattttta	gtagagatgg	ggtttcacca	180
tgtnggccag	gctggtttca	aactcctgac	ctcgtgatcc	gccaccttg	gcctcccaaa	240
gtgctgagac	tacaggcatg	agccaccgcg	cccagccaag	cagacacttt	tctaatacat	300
tttctgttca	ttgtacaaat	taattcttaa	tgaatgaaga	aattatttta	atctac	356

<210> 130
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 130						
gccctgcact	cgatggatca	gctggcacca	cccagatcaa	taaactggct	catctggtct	60
tgtggcctcc	atccaagtac	caactcagtg	caagaagaca	gcttcgaccc	cgtatgattt	120
aatctccaac	ctgaccaatc	agcactccct	actccctggc	cccctaccca	ccaaataatc	180

69428674-102799

ctcaaaaaaa cccagtc c aaatttttcag gaagactgat ttgagtaata ataaaaactct 240
ggtctccccgt cc 252

<210> 131
<211> 456
<212> DNA
<213> Homo sapiens

<400> 131
tgtgaggata caactgggaa ctaaagctgg aagatgccag acattcagca gggagttccc 60
tcatcagcag ctggctaact ggggaactga aagtcacaag gcgctcgttt ctgataactc 120
catgaaaatt cactctgggt cagaaatcaa tctttggagt tctgaacatg cagcttttct 180
catgggcctt ttggagaaca atcagctact cagccatcag agcctttttt gctggatggc 240
aggcaggaac tgacagcaaa ccatcgtctc tacaacacgc agaagatcag caccaagtct 300
ccattctccg aaaacatgtg tccatgcagc tctcccangg gaggtctgcg ctgcagtgga 360
angccccaag aagcgtggga acccancttc atcgcgatgaa ggaaacncag agttgtacct 420
ccagatgcca ggcggagcgg cgacgtgacg cacggt 456

<210> 132
<211> 462
<212> DNA
<213> Homo sapiens

<400> 132
atggctcacc tgaaatttct gacaacctgc ttcagctggg attaatttct ttgaagtga 60
atcagtttaa ctgaggaatc aatttgcttc cttccatata tgccaaggaa aaactgtaca 120
tagacattga cccacaatac ctggttgacc acgggatccg caagagatgt ccaaattatg 180
aacttcatt aaaaaaaaaac ggtgggttcta tggctgcctg gaatggccat atttaattgc 240
tccccaggat aatagcattt attgttaaac ttgctagaaa cataacaaaa acgtaaatgc 300
taatctttaa aataagcagg actcctatca catccttctc ttgnggcttt tttccctata 360
cccctgcttt gggaaccggc ttgtttggan tngaaaaagg ctctggaaca ngggattctc 420
acctcancac tgttnacatg tgggacccaa aattttggga aa 462

<210> 133
<211> 356
<212> DNA
<213> Homo sapiens

<400> 133
gggcattcag nataagccat catataccct gngaccngcn cgcncacntc tcagatggcc 60
ggttcctgcc ttaaccgatg acattncacc acaaaagaag tgaaantggc ctgttcctgc 120
cttaactgat gacatgggtc tgtgaaattc cttctcctgg ctcacctcgg ctcaaaagct 180
cccctactga gcacctgtg acccccactc tgcccgccag agaacaaccc ccccttgact 240
gtaattttcc tttacctacc cgaatcctat aaaacggccc caccctatc tccctttgct 300
gactctcttt tcggactcag cccacctgca tccaggtgaa ataaacagct ttattg 356

<210> 134
<211> 245
<212> DNA
<213> Homo sapiens

<400> 134
aaggagctga gtctccccag aagaggaagt ttcaactgag cgattctctg acagaacatc 60
gtggattgag aggaaataag aatgggtgtg cctgctttag gattacacag tgctggacct 120
ttgaggaagg agaagcagag atggatagaa ttgttggtgc agaactgagc ttgtatactt 180
ggtcctgtgg agggatatcta ctcttcttcc agctgcgtag ggtaaataaa ggtttttcta 240
aagct 245

<210> 135
<211> 385
<212> DNA
<213> Homo sapiens

<400> 135
attgttcaaa gaaacactgg gaactttccc ctccctgagg aacttccata gatgtacacc 60
tttggctctcc atcccaaact tgctgacctg tgattgttca tccactgcca gccatctctg 120
tcctccacct gcacctggga cctgttgccc tgcacccatg gacaatctcg gcttccatcc 180
agctccactt tgcgctctct ccactcttga atcgcatgaa cccaaccaac tggttcatgt 240
gtttattttt catttccttc ttttggtcta tgtaagtgtt tgtttatttt ttaacctttt 300
tacttgccct gaatcctttt tggaaataga tgaggtctaa attaaaattg taataaataa 360
caccgaacat agccttttta aaagt 385

<210> 136
<211> 400
<212> DNA
<213> Homo sapiens

<400> 136
gacgtctggg gagctcctgc attaatgcat gaactgaggg tggcactgca cagagatgga 60
acctgatgaa acggcccat ttagagcgcct gctgtatcgc gttggctctg ctctcctgcag 120
ctgtgctcca agatgagcct ttcagacatc gctccctaata agctccatct cccccagtc 180
aggaggatgc gcattcctct cctcattcac atgcaccact tcaagccatc tgcacgctct 240
acagggggact tgccgcctaa catcctaata tgcaacccca tccaaatcct ctgctggaat 300
ctcactattt gcaccactta cgctccngga gcgtgaaaca gaagggccag tcctcttctg 360
tctttattct aagtgnntaa tacagattcc atgggcttgg 400

<210> 137
<211> 216
<212> DNA
<213> Homo sapiens

<400> 137
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caggacacgc acacaaagcg agggtcagcc atgtgaggac agtgagaagg cggccgtcna 120
cacgccaagg agagaggcct gggaagaaac caaccttaca ccttgacatc agacttctgg 180
tctccaaaac ttaggaaaa taaatttctc ttgttt 216

<210> 138
<211> 450
<212> DNA
<213> Homo sapiens

<400> 138
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tagctgtcca ttcaggctag taatctcata tgtgttggga caactgagct tccagaatga 120
agagggcaaa ctgctgccag acagagtgtc actgtattgc ccaggctgga atggagtgg 180
gtaatcttgg ctactgcaa cctccgcctt ctgggggttc aagcgattct catgcctcag 240
cctcccagac aggcgcacaa caccacgccc ggctaatttt tgtattttta gtagagatgg 300
ggttttgcta tggtggccag gctgggtctga cactcctagc ctcaagtctg gtctgcctgt 360
cctgggctnt taaaagnctt aggattacag gcntganccc cgaccagnc ctgattttat 420
ctcttgatca tctggattaa actgtaccaa 450

<210> 139
<211> 330
<212> DNA
<213> Homo sapiens

<400> 139
gaaacctgcc ggaattctcc ttcttccccc gtcttcacac agctgtgacc ccgaacctgt 60
ggagtatcgc tccttgaggg gctcctgcag cacctggtag ttggccttgg tgatatggac 120
cacttgatcc aacactcttc ctctgggtga atgggacatc cctgaaggca ggaccaatgg 180
cccgtcatt ctccagagcc tggctcatca tgagcccttg aggtactaat tgaaggagta 240
aattcacatt ctcttggac atttcctttc actctttctg tgcattgctaa tttactttct 300
ctagtaataa taaatgtcat tttgttttac 330

<210> 140
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 140
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 taggaacgag gaagcaggtc ctcaccagac aatgaatctg ctggcgctt gatcttggat 120
 gtccagcctc cagaactgtg agaaataaat gtcttttgtt tgtaagcaaa aaaaaaaggc 180
 cngcgaggcc aattnagctt ggaacttaacc aggctgaact tgntcaaaag gggggg 236

<210> 141
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 141
 ctaccacagc accctctgca acttcaaagg agaaagggac tcagcacaaa tgcccagcag 60
 gagagagtgg acaaaatggc tcttgtcacc aatggaatgc tctacagcaa ttcaaaagaa 120
 agaaacacct ctacatatcg atggaaataa acaaaaacta ggtgcaatgt ggtgtcctgg 180
 atgaatcctg gaacagaagg agaacatacg aggagaaact gttaaagtcc aaataaattc 240
 tggaactttg 250

<210> 142
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 142
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 agcacggccc attcatctag actcacgcaa tgactgtgat tccaaaagac tgaccaaaca 120
 ttaccaagtg ggcaggctac tggggacaat tccggaaaca tttctaggaa gactggaaga 180
 aatacagtaa tctagcacat atgcaaaaga atatcaaaag atgaactgtt tcatcagcc 240
 aacccttatg aatgctaaca tgtccagtcc tcttacagtt cgtcgctagg ttaatatagg 300
 cattcaaaaaa ttt 313

<210> 143
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 143
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 gaaagggctc actttctatt ctctatatatt aacaagatcc catgttttag gtgagcactt 120
 tggtcaccca cttaaagac gacatttctc agactcactt gtagtagaat ttatagccat 180
 ttgatttagt tttggcctgt gagctgtaag ggaaagtgtt caatgatgca tcaggagagc 240
 ctcccttaaaa acaaaaggag aaagtgtgtt gagttatatt cccttttttt ttcacctctt 300
 tgcctggatc atgggtgatg tgaaagctaa gttctgataa ctggcttggg ccatgagaat 360
 aagggccccg ttgtangggg gggggaaaaa ttgngctgga anaaagaact ngcntctggt 420
 atgacttcat ggagcttctg cca 443

<210> 144
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 144
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 cctccgcctc ctgggttcaa gcaattctcc tgccacagcc tccaaccag ctgggattac 120
 aggcacccac gaccacgccc ggctaatttt tgtattttta gtagagatgg ggtttcacca 180
 tgtnggccag gctggtttca aactcngac ctcgatgcc gcccaccttg gcctcccaaa 240
 gtgctgagac tacaggcatg agccaccgcg cccagccaaa gcagacactt tttctaatac 300

attttctgtt catttgtata aanttaantnt ctttaattga at

342

<210> 145
<211> 393
<212> DNA
<213> Homo sapiens

<400> 145
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caggcgctcc ccaccacacc agctaatttt tgtatttttc gtagagacgg gatttcgcca 180
tgttgtccag actggtccca aacttctggc ctcagggtgg cgcgccccc cagcctcca 240
aactgctggg attgcagggt tgaaccacag tgcccggccc attctttctt tttcttagca 300
tccctatatt agtctgtttt cacgctgcta ataaagacgt acccaagact gggaaaantt 360
attgtnnaca aaaaaaaaaa gggcgggggg ggc 393

<210> 146
<211> 281
<212> DNA
<213> Homo sapiens

<400> 146
cgtacggatg actnccgnan gctnngcaca cnetcgaaat gcgnaangac cnccggctgn 60
gntcgtggac ctgnncngct ncctttttag caagttcaag cctgggttaa gtccaagctn 120
gaattggcct ccgctaggcc tataatngaaa ttctatatag ggccgctatg ngccaatttc 180
ttttgctttt taccctgggg gaaaggaaat acctcattag aagccacccc ttctggtgta 240
ttttaccccc naattctttc aacaaaggaa aaaaaactgg t 281

<210> 147
<211> 472
<212> DNA
<213> Homo sapiens

<400> 147
gtctaaccat aaaatcatca atactgagaa attaaaaggg gaacatgtca ggcctcactc 60
tttctgtatt ggctttcaag agtattgtcc ttgagggaaa gccatctcct tcttgacacc 120
atggctaccc ttagaccctt cgtgaagccc aagatcatct aagatggacc aagaagttaa 180
tccttcacca gtcagactga catatcaaaa ttagatgtac gcatatagca gcaaccacga 240
ggcattgaca acaggggtgg gagaaaaatc aaaggcgaga ccttgatccc caacattggt 300
tgtgggagca aaaagaagca aaacacatgc tccccagtg ctttcaaaaa attctgnttc 360
cccnatgtca aaanctgga agtgctgctg atgtgcaaca aatcttactg gctgagattg 420
ctcaacatgc ttctccaaga acgggtaaag cctgtgtgag agagtaaccc gg 472

<210> 148
<211> 465
<212> DNA
<213> Homo sapiens

<400> 148
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ggtgatgtca ttgaaaatga tgagtaggaa actccaagag cgcatttctc cacaaaacca 120
gtgaatacat tggcacaaat tgtcagaatc aattttatat aaattctgga aattagtcaa 180
aggtttatag taaccaagga aacatctttt taaaaagatg gctgaggctg gatgctgtgg 240
cttataacctg taatcccagc actttgagag gccaaaggcga gcagagcatt tgagtcagga 300
gttagagacc agcaaaaaaa attagctggg tgtgttttgc ggacctgta atccctcagg 360
gaggctgagg cgggagaatc gcttgaacct ggaagatgga ggttgacgtg agccaagatc 420
gtgccacctc actccagcct ggggtgataga gtgagactct gtctc 465

<210> 149
<211> 434
<212> DNA
<213> Homo sapiens

<400> 149
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 tccctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
 taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
 aattttcctt tacctaccg aatcctataa aacgncccca cccctatctc cctttgctga 300
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgctcaca 360
 caaaaaaaaa aaggnnnngg gggncnattt anttnggant taancnggnn gaaattnttc 420
 aaaagggggg gact 434

<210> 150
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 150
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 ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
 taactgatga catggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
 aattttcctt tacctaccg aatcctataa aacggcccca cccctatctc cctttgctga 300
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt attgctcaca 360
 aaaaaaaaaa ggnncnngng gncnattnag ntnggnctta accngngnga actntttcaa 420
 aaggggggga ctccc 435

<210> 151
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 151
 aatcaagatt tcaactggatt tcccttgagg tgcacatttc ctggatgatt tccacttggtg 60
 aaatagaaga agattcgttg c 81

<210> 152
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 152
 aactcccagg ttctccaact acaacagatc tccaaaacaa aacaagcaaa actcagaatc 60
 tgatggaaaag ctgtttttta aagacaaaaga tgggtggggaa aatacaatta atatctactg 120
 acatctacta caccagccac tgtgagggga agtctacatg ttatcttata aaaataaaaa 180
 caccataa ccaccatc 198

<210> 153
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 153
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 acagatttgc tcggtttcac cctctgatgt gttccacacc acttcacgcc actttttcaa 120
 aagatgataa aacgtcaggc tgagtagaac agaactgggt gcaaataaat ctctctgaag 180
 ctaacttgcc tctctctacc cctacttccc tctgcacgtg cctttgcttt attcccctgc 240
 atgagagaag cagtcaaate tttcccattt tcatacctgg attgctgctc aacagcctca 300
 acaactgaga cctgaatgta tccccatttt aaagaacctt acagaacatt aaaattggtt 360
 cctgagc 367

<210> 154
 <211> 408
 <212> DNA

<213> Homo sapiens

<400> 154

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acaaaagctg	ccaagctcaa	agaggctgaa	agccccatt	gagtgccgaa	gagtcaataa	120
tatctgactc	aaagtcacga	tgattcttcc	gatacacaaa	caaggccaca	actacagaga	180
tcgccaggca	aacgatcact	gctatcacaa	tcccaacata	gagagcaaca	tcattctgaat	240
caggagcggc	tagagaggag	agtgaacat	tgaaccagct	gcttatagaa	atttcccaca	300
gtacacatat	gtattgctat	aatTTTTtca	gacatttact	gcctTTTTta	taggttaatt	360
tcaaatctat	ttcaaaagct	atataaaatg	gctgtggcct	ttcagtgg		408

<210> 155

<211> 364

<212> DNA

<213> Homo sapiens

<400> 155

attccctaga	gacaaagcca	gtttgcctga	cctctcaacc	aaagaaccct	gacaacttac	60
tccttagcta	gtatctccgt	atatataaag	atgtcaactt	catcatcagt	tcccagaaac	120
cctctccaac	tgagtactgt	attgtatgta	atatgaacaa	aaactatgaa	aggaaagaaa	180
attgaggccc	agagaatgca	aaaaatgatt	aaattcagag	gcaaataact	gagaagtagc	240
aaggccaaga	acaggcatct	aggttacaca	tctctatctt	cgagtgcatt	tttctaaaac	300
aaagggcttg	gaccacaaaa	ccatcacctg	gaattgcatg	tgtgactgaa	agggaggaaa	360
ctgc						364

<210> 156

<211> 291

<212> DNA

<213> Homo sapiens

<400> 156

actccaaata	agaaaatgaa	agagtacaat	tcaggagatg	aaagaaaagg	aaaatccagg	60
aaattcaatc	agatctacat	gactcatgtt	gtgtcaactg	caaatttctg	atttcaaact	120
taaaaaaaaa	gaaacttcaa	ggacccttca	aattatgttc	aagtcatatg	cctgatgaga	180
caattgaatc	acattactgg	actacatttt	ttccccttga	ttcaatctct	tgctgccaca	240
aatatgtttg	ttcagtgtaa	atggagtgat	aaagattgac	ctttctagtt	g	291

<210> 157

<211> 454

<212> DNA

<213> Homo sapiens

<400> 157

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taatagagga	aaagagcaga	aagaagccat	ttatatctga	ctgctgctgt	gggagttaca	120
gaatctccct	cttcaacttg	ggccctttgc	agatgggtgc	tctacaaagc	aaagtgaat	180
ggacgggttt	ccagctaatt	tgttttgtat	ggacagccaa	gctggacact	tgcagaccac	240
aaagtctgtg	aatgagaacc	tgggagctga	catgagaaga	attgagctgg	agccttttgc	300
catcactgaa	taaataactt	accctcttga	atccttacct	gtacgactgg	cataagacac	360
cagcctgcct	ttcacacagc	ttgtgatcta	ataagataat	gcttatgtac	ctgttttaat	420
ataaatagac	tgatattaaa	atggcacgta	acac			454

<210> 158

<211> 373

<212> DNA

<213> Homo sapiens

<400> 158

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ccaactgatc	aatatgaaat	cagtcattcca	cggccgggcg	cagtggctca	tgcctgtaat	120
cccagcactt	tgggaggctg	aggcgggtgg	atcacctgag	gtcaagagtt	ccagaccagc	180
ctggccaaca	tgggtgaaacc	cogtctctac	taaaaatata	aaaactaact	gggcacagt	240

gcgcacacta	ataccagctt	cttggggaggc	tgaggcagga	gaattgcttg	aatatgggag	300
gcagagggtta	cacagagcca	agattgcgcc	attgtgcgat	ccagcctggg	caacaagagc	360
gaaactccct	ttc					373

<210> 159
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 159						
tctggggagc	tcctgnnttn	agntacannt	ntagggcatn	actganagcc	atctatcccc	60
tgngacctgc	acgtacacat	ccagatggcc	ggntcctgcc	ttaactgatg	acatttcacc	120
acaaaagaag	tgaaaatggc	ctgttcctgc	cttaactgat	gacatggctt	tgtgaaattc	180
cttctcctgg	ctcatcctgg	ctcaaaagct	cccctactga	gcaccctgtg	actcccactc	240
tgcccgccag	agaacaaccc	ccctttgact	gtaattttcc	tttacctacc	cgaatcctat	300
aaaacggccc	caccctatc	tccctttgct	gactctcttt	tcggactcag	cccacctgca	360
tccaggtgaa	ataaacagct	ttattgctca	c			391

<210> 160
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 160						
gtgcttatca	cacatgcagt	caatgaacac	ctcacaaatg	caaggttcac	atgcagtctt	60
cgatgaacac	atcgatcgca	tccagcagta	tgtctgtatt	ggaaaagtcc	ttccatagca	120
cccagtaatg	aaaaggaatg	tggcggggag	cagtactgga	cagtaaaaact	aaaaacacca	180
ggaagatcac	agtgagatca	gcagagccct	agaatggcaa	atccatgaca	aagaaaattt	240
ctgatgaata	aaaacgtgcc	tgggtccagg	ccagcaattg	gcttc		285

<210> 161
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 161						
atgccgtttg	gagtagctac	tttgaggaca	agagacaaaa	agcctgagga	gaaagtcacc	60
atgaaggaaa	cagaaagact	aaacagcatg	cgtgatcttt	gattcagagt	ccccatctca	120
ccctggactg	ccttcctttg	gaattccctt	gtggaaaaaa	aaattaaact	cttatttggg	180

<210> 162
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 162						
gccctgcact	ngatggatca	agctggcacc	accagatnn	ataaactggc	tcattctgntc	60
ttgtggcctc	catccaagta	cngactgagn	gctagaagac	agcttcgacc	ncntgtgatt	120
taatctcnna	cctgaccaat	ctgcnctctc	tattgcttgg	ccnctaccc	accaaaattat	180
tttcaanaaa	accactntc	naggttttca	agaanactga	tttgagtaat	aataa	235

<210> 163
 <211> 588
 <212> DNA
 <213> Homo sapiens

<400> 163						
ggtcacaaact	ttaggggtccc	caccttggtta	cttgcaatga	aacggacaca	gtggaagaca	60
gcttggagta	ggaaaaggac	tgaagactgc	agcagccagg	tgaacttcta	ttcgtccatc	120
aagacccaac	caaagaaac	ccacttgaag	ccaggcggga	gggtcacgc	ctgtaatccc	180
agcactttgg	gaggccgagg	ctggcggatc	acctgaggtc	gggagttcaa	gaccagcctg	240
gccactatgg	tgaactccg	tttctactaa	aaataaaaaa	aatagccggg	catcatggtg	300

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ggtgcctgta	gtcccagc	ctcgagaggc	tgaggcagga	taatcgtttg	aaccgggag	360
gcggaagttg	cagtgagctg	agattgcacc	attgcactcc	agcctgggag	acaaagcgag	420
actccgtctc	aaacaacaac	aacaacaaac	tacactctag	tctgggagac	agagcaagac	480
cctgtcttaa	aaacaacaa	acaaacaagg	aaacccatt	tgtaactgcc	actaattgga	540
ctatacttct	ggtggggccat	cttcaagctt	cgggcttgaa	taaacct		588

<210> 164
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 164						
agaggaacaa	aatggacaca	gtagttctgt	gcttctcctt	gcaaagtggag	caacaggacc	60
aagatccgaa	gcaatatcag	aggccactgc	acccagcagc	agagatgaga	acaactgaag	120
ttccaaatag	atctatggca	agctcaaagc	taaggctcata	aaatgttcta	tgaaagcaag	180
accatgggaa	gaactggcac	atgtgttttg	gaagaggaaa	aggttattga	gtgcctacta	240
tgtgtcaggc	actgagctga	atgcttccac	atattaatgt	tttatacttg	agttttcatt	300
aacagctcta	atctgtacta	ttaataaaaag	ataaagaaat	cc		342

<210> 165
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 165						
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gagctgtact	gaggaagttt	gtggagtggg	tggtagtgat	agagacatac	tcaggaaggc	120
tggacccatg	gaggctgccc	accttggtca	ttgatttcta	cttgattgat	tccttcttga	180
ttgatttcca	ggatctctga	aacgagaagc	cctccccctt	atatgtttta	tcagatattg	240
caaagtggac	ctgagaacga	gcctgtcggg	agcagattat	gaaggggact	atgttttgaa	300
tatgctgaac	tgctttgggt	tgtgactggg	gaagattaaa	ggcctacaac		350

<210> 166
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 166						
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ttgtatctag	gtggtgccat	ataactactc	ccaccaatgg	aatggaaagt	gatttgagca	120
cctctaggct	gagggagggt	gaaagtgatg	tgcttctctc	gtgctctctt	cctccatctg	180
ccaaacagac	acaggggact	ccaagaccct	agggaaatga	agagcaaccc	atggaagggg	240
cctgggctgc	tgaatcactc	agggcagggt	tccaccgggt	gagtgaaccac	cagtctgaaa	300
cacctatgtt	ggactgagtg	agaaataaac	tctactgtgt	taagccat		348

<210> 167
 <211> 574
 <212> DNA
 <213> Homo sapiens

<400> 167						
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ctgcctgggt	cactgcagct	cacttcatct	tctgtgcct	tctctgaaag	ggccccctca	120
aaagtttctt	ggaaactctc	aaacaactga	gaaggtgcct	cgacatctga	tttgcccaaa	180
acctctatac	attggacatc	ttctgaataa	ggctgtgttg	tatgttggga	caagcaaagg	240
gatggaaatc	aagaattctg	ggtttttagtc	ctgactgtca	ctacatgggt	gtgttacttc	300
tgactctgtg	aagcagaact	cgggcctcta	gcgtctgcta	gtctagatct	aaaggtgttt	360
cctgaggggac	agtttggcct	ggcatgcagg	tacctctgca	gaccacaaca	gtgcaccgaa	420
aacacccccct	cccagcacgc	acacaagtct	ggctcctcag	ccaaacatca	aacaccaaca	480
ctgctgccc	tgccagatgc	caaagtgaga	taatgtgtgt	tataccctta	agtgnntac	540
aaagagaaaa	gattaataaa	tgttagctat	cctt			574

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<210> 168
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 168
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 agcctaccag gaccttgatc ttggacttcc ctgccagcta gaactgtgag aaaataaata 120
 agtacatatt tgttgtttgc accacccagc ctataggatt ttgttatggc agccctagca 180
 gactaataca tgcngtgttt tgatataaat ttattaaaga aacttcttta tttgcttacc 240

<210> 169
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 169
 acctcaacat gttttatctg ggagtcttcc tctttcatga cattcacagg aggcctatgg 60
 tgtgccaggc cccgtggaca gcactgtgga cacagatgcg taataacagt tcctaccttc 120
 cagatagaga ggcaagaaag ggctgtggaa gcaaacccaa ggtactaagg aagccgggaa 180
 gagaacctac tctagacttg gaagttgaag gggtaagaa acattcctag agaagatacc 240
 tgagtcttga aaactgagaa ggaattagta acccaacaga ggtgggaact ttctgaggac 300
 ggagatggag aggaagatgc tgccagctga gggaccacca ttctgaaagc taggagaaag 360
 tgcgcgatgg aaagtgggac tgaggggaaag gctgtaagca cctcactatt aatcacaatt 420
 ctccctatag gaaaataaat gctgtttcta cttc 454

<210> 170
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 170
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 aatattctct gcctggaacg cgcattcccc agatatccac gtggctaact ccctgacctc 120
 ttttgagtct ctgctcaaat gttattctct cactcacaca caccnttggc actctactca 180
 aatttacaac cagccaccta cccccagcca aaactctgct agaaaaaaac ggtatttacc 240
 ataaagtcat tgccaagctt gt 262

<210> 171
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 171
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 gcctctgcat ccaggattca agctattccc ctgcctcagc ctcccaaaat gctgggatta 120
 taggcgtgag ccgccacgcc tggccagcat tcccaatttt taaaaatgaa tgattggcac 180
 aaatcttaga aagccatttt ctgtagattt gaaagcaatg ctattttacat tgttactact 240
 ttcttggttaa atcttgcattg tctgcagtat gtgttgtaat agaaacctaa gattatg 297

<210> 172
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 172
 ctggactccg tcccatagat gagctgaagc aaaaggacct tcacacagaa cttttatcat 60
 cagcctgagg aaaagtactc gaaggacaag gccattgggt gggaacttac acc 113

<210> 173
 <211> 466
 <212> DNA

<213> Homo sapiens

<400> 173

cagggcctaa	gctgactttg	caagagatct	cgctaagcct	ttctgcagat	gcttgcccaa	60
tctggctggc	cctgctggag	gatatatgct	gttaaggcaa	ggcaggcaga	ggcagctctg	120
gctcgtctcc	acgtgcactg	gctggctttc	cagaggggac	aatgcacccc	acagaccaca	180
gctgtcattt	ggccatctct	accttcaacc	ttaccaagca	cctggcctca	gcacagattt	240
tcagagaaaa	ctttgaacaa	agcaacccaa	cactgtattt	gtagaattgg	aagagacttg	300
gagccttccg	aatgtgacct	gactgctcaa	atggagaaat	gagaagtggg	taagcttgag	360
cgcaagctta	cactgnnagg	tgggtgggtg	aaacgaaaac	ctctggattc	ctattaccag	420
gncaagtnnt	actnttcagt	ttatcataca	nggctttaag	gggagc		466

<210> 174

<211> 354

<212> DNA

<213> Homo sapiens

<400> 174

atggagtttc	tctctcggtg	cccagactgg	agtgcaatgg	cacgatctca	gctcactgca	60
acctctgcct	cctgggttca	agtgattctc	cagcctcagc	ctcccagagta	gctggaatta	120
cagggctccc	ccaccacacc	agctaatttt	tgtatttttc	gtagagacgg	gatttcgcca	180
tggttgccag	actgggtcca	aacttctggc	ctcaggtggg	ccgccccct	cagcctccca	240
aactgctggg	attgcagggt	tgaaccacag	tgcccgggcc	attctttctt	tttcttagca	300
tccttatatt	aagtctgttt	tcacgctgct	aataaagacg	taccaagac	tgag	354

<210> 175

<211> 181

<212> DNA

<213> Homo sapiens

<400> 175

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cacaagccag	ttcctgacct	tcccactaga	ggagctgaac	aaatgtcatg	acaatttaac	120
agaatagagc	tacagaaaga	gctaacagaa	tagagctact	catcatcatc	ctctagcctc	180
c						181

<210> 176

<211> 240

<212> DNA

<213> Homo sapiens

<400> 176

gaaagtgtg	tttttgcctg	tgcactcaag	gcctcgagga	ctttccccac	ttttttctat	60
ggcacacaga	gttctgcacg	tgaacttctt	gctggttaac	tggattgcat	caaaatgatt	120
tctctgtgag	gtactattgc	taccaggata	tcaattacta	tcctaattgtg	gacatttgct	180
ctgatatgca	taacaattga	aaatagaaat	aagcctctca	gggcaatcat	ttcaattcac	240

<210> 177

<211> 173

<212> DNA

<213> Homo sapiens

<400> 177

ccaccctcct	cctaactttg	gacagagctt	actccagaag	acagtcttgg	agtagaacac	60
catggacca	gtacttgccg	agcatgcccc	ctgccctcga	ttgtacatgt	gcaaataactt	120
tctttgccta	ttcagaaatt	agcagaaaact	gttgaataaa	gggataaagg	agg	173

<210> 178

<211> 317

<212> DNA

<213> Homo sapiens

<400> 178
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acacaccaac aatggatcca ttctatggct tcacaaagtc aatcttggag aaagaaccgc 120
caaaagctgg cacaagcagt agcaccttta cagtgggcag gaaaacaacc agaagtcttg 180
gggctgcaga gatccaggcc ggcgagaagt ccagagcatc agacaggaag agtttcttgg 240
gggtaggaac agtgactggc acatgcggga taaaagtcca tgaaagaagc cgaatcgatt 300
aaaggaaata aaaaggc 317

<210> 179
<211> 170
<212> DNA
<213> Homo sapiens

<400> 179
ggacaacgtc ttgctatggt gcctggactg aactcgaact acccagctca agcaatcctc 60
ccaagtagct ggaactacag ggtcgcactg tggtttatct aagttttaag aatatatatt 120
tcaccccaca ccctcttgcc atgagactca ataaaaatat atatacaggc 170

<210> 180
<211> 220
<212> DNA
<213> Homo sapiens

<400> 180
gttatcaaaag agtcttcagt ttgggtggagg acggatttgc tctaaagctc tttagaagga 60
gaaagagaag cattctgcag gaaccctaga aatgaaacgc aaccagcaag ctgccatttg 120
tccagagaag ctcacactcc ctgggaaatg gaatattggg tctcaacctg aagagtagct 180
ggacagagac aggaattcac aaataaaagc tttaaaagat 220

<210> 181
<211> 360
<212> DNA
<213> Homo sapiens

<400> 181
ggttttcagg gccaccacca tccagacctt cggaaccct gcaactggacc aacacccatg 60
tccccaggac acctgacctt aaactcgccc gtagggcctg ttgatgcacg ctaggagtgtt 120
cctgatgatg cccagcattt ccctacctcc ttccctcggg ctaatctcag ccccttctca 180
tctccacagt gctagctgct ctgttcccat tttgtccac ggtccagcac tgggcttttc 240
gctgaccgcg taccatgtgc catttattta tctggccaga cgctgaggct cagagggtct 300
gcttcctgat acgggacctg gcacaccaa gtagcccaat aaatgtctag ggagcgaatg 360

<210> 182
<211> 362
<212> DNA
<213> Homo sapiens

<400> 182
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gaagggaagt gacacggagc taacgcacag cgcttcacga gacactttct ccgctttctc 120
gcagctcctc cgcacggcgt cctgtgggcg gccaccacac cgcaatctat tctgagtttg 180
caagtggaaa ttaaattcct tgtagccgaa atgagccccc acttcaatca gcctgaagcc 240
tgtctctcca tccccaccg cctctccgct gcagcatctt ttgaatatgc aaatgggaca 300
ccttgctaaa tggtcagcag gattgatcct gctgttttca tcaaggaaat aaaattaaaa 360
cg

<210> 183
<211> 438
<212> DNA
<213> Homo sapiens

<400> 183

gtctgagccc	agggagctcc	ttctggagat	gctgtggtct	ggggtggatc	ctgccttctc	60
agccccctgcc	tgttgaagtc	actgaagtct	ctgctgcata	tccgggcttc	tgctgagcag	120
ggctggaagg	tcttgcttga	ggagctgaag	cccaccagca	gggtggcagac	aaatccagag	180
ggtattcatt	ggaggatgaa	gatttcctgc	ctctgctcan	gattctcacg	gtgtggctgc	240
tgcaggggaag	tcagatcacc	tacgtggagg	cccaggggcc	tggctctgga	aacaggagge	300
agaagctgcc	agtctctant	cttgggcctg	gcantggga	taacattact	tccccctat	360
tcntcgnntn	aaagcagcac	aagaacccca	ccttnntttt	cannagngaa	aggggctang	420
gaccccgctt	ttctattg					438

<210> 184
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 184						
attggaagaa	gttggttagct	tcttttctca	gaacggacat	gtggatttgg	ggcaaggaag	60
aaaagcaaaa	gcaaaagccc	aaacattcta	acgcaggaat	ggcgttcgaa	gatctgcaac	120
tatactactt	ggaaatgatc	cccaggctaa	agtgaccagg	gaagtgaccc	aaaaaacaaa	180
ttcttcttga	cttttaaggc	aggtgcaact	gtggacagct	gaggtcccct	ttgaaattat	240
cttgccatcg	taggatgggc	taggatgact	caactcttta	aatgcatgtt	aaagactggc	300
tactgtattt	actacattct	ggcctcattt	tttttgggta	tgattttgaa	actcagaatg	360
aacaatacca	cgtgtgtgat	gatttagtcg	caaaaaaaaa	aggccagnga	ggccaattca	420
gctnggactt	aaccaggngn	aacttgntca	aaaggggggg	ac		462

<210> 185
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 185						
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agatcttgg	tgaacctagc	aaccttgagg	acagacaggt	aatttcaaca	ttttctcctg	120
tggaaggcag	aatccctcct	ccttctctca	aggatatcca	tatcctaata	tctggaacct	180
gttaccttac	acgatgaaaa	gaactttgca	gatgtaatta	agtttatgac	ctcatctcta	240
c						241

<210> 186
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 186						
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ttccagtcc	aaacatcaaa	gatttccagg	tgatgttcaa	gagaaactat	tcaaactaag	120
aattgcctgg	aagagtggat	tctagaagga	agaatgggtg	actaagantt	actcacatat	180
cagaaaacca	gaaaattcag	aagatcttag	cgatggcacc	accacccatt	caccagctta	240
atctagaaac	ctggacatca	tcattgactc	accttgatga	tgcaattaac	cagcaagtca	300
tgacctctct	gctttcaaat	tttttcttga	aacctatccat	atttctccat	tttctactgc	360
actggcccat	gccaaaccct	catgtctcct	ctagagcttc	ctacattttc	ttctagctag	420
atttctctta	aaccacttta	cacagaaaag	ctaaaatgaa	tttcttttaa	aaacct	476

<210> 187
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 187						
acccttacca	ccaccatgag	aacaagctca	ggctggcctg	ccagaacatg	gaaccaagca	60
gaatcatccc	aactgaggcc	atcctaggcc	agcccccagc	caaccctcag	ttgacagcac	120
atgcataagc	aagccctgtg	cacatcagct	gaacttgtca	cagatcagca	aaactgtcca	180
gtcaatttgc	agacttccga	gaaataataa	atggttgttt	taagcc		226

09428674.102799

<210> 188
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 188
 gtttattttgc anganggggtt tnaggggaatn anngatnnag tctgctgaaa ntatcaccac 60
 cctctggatt anaagggatg tttggatgaa 90

<210> 189
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 189
 gtgggggtctt tcaccatcag atgagaacac attgagaatg tatcatctat gaaccaggaa 60
 atgggccctc accagccacc aaatctgcag aagctttgat cttggacttc ctagtctcca 120
 gaattgtgag aaataccntt tgggngtgta tannctggnt aannncaagc tgaangggcc 180
 tcgnnggect ntatgantnc tatatggccg ntatggccna ttcnnnnggn ggnaccccg 240
 naagaaatac tcataagcca c 261

<210> 190
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 190
 gttcaaaatt tctattacaa attattgcat cctcctgtga agactgcagc ctctcaggtg 60
 tcttccatac gactaaaatg aagaggaagc acaaggagaa atctggacac agagacagat 120
 gcacacaagg ggaagacaat gtgaagacac gcagggagaa catcacgtga agacagagga 180
 tgggaatgac gcttcaacaa gccaaaggaac actaaagatg actggcaacc aacagtagct 240
 aggagaaggc aaggaaggat tcccccatgg gtttttagagg gaacacagcc tcgtcaacac 300
 cttgatttca cacttctggc ctccaaaact gggagataat aaatttctgg tt 352

<210> 191
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 191
 aaacccaaag gccagaagga aatggcaaaa cagttttcat gtgctagaag actatcaacc 60
 cagaatttta taccagaga atatatcctt catgaataaa gaagccacag cattctcaga 120
 tgaagaaaac tatgagaatc tgttggcaga ccaccctaag agaatgacta agtgaagtcc 180
 tctaagcaga aaggaaacaa taaaagaagg aatcttggaa tatcagaaaa ggaaaacatg 240
 gaagtcaaaa tacagtggta aactatgaaa tgtcagcgtt cagccagatg gtatgatgga 300
 gcagcagaag tcagaattca gtgaggggac actgaaggaa cagataatgg nnctgnnttn 360
 gcntggaagg ggnntcaat ttgtaatttc agggttaact gcagaagtgt cttcaggaag 420
 gctgcactcg caagccagga agagagaact caccagaaac caaat 465

<210> 192
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 192
 gattctgaca agtccggagt acgtcccctc atcatcaggg caggaggtaa cgtgctgaat 60
 ttaatagcaa agcaaatttt gctggagaag aaatgagatt tctttgtcaa ggaaccagcc 120
 ggaggaactt cagc 134

<210> 193
 <211> 421
 <212> DNA

<213> Homo sapiens

<400> 193

agcctgaact	tgatggatca	ngctggcacc	accagatcg	attaattggc	tcattctgatc	60
tgggggcccc	cccgaaccag	gaactgactc	agcgcaagga	gacagctccg	actctccatg	120
atttcatccc	tgaccaatca	gcactcctgg	ctcactgggt	ccccaccca	ccaagtgtgc	180
ctgaaacact	gctcaccag	tgcttgggga	gactgatttg	agtaataata	aaactctggt	240
cttctgggtc	tagatccttg	aggaatcgcc	acactgtctg	ccacaatggt	tgaactaatt	300
tacactccca	ccaacagtat	aaataaaaaac	aaaacaaaac	naaaaaaaaa	aagggccggg	360
ggggcaantt	nagttnggat	ttaacaaggg	tngaatttnt	taaaaagggg	gggactaccc	420
a						421

<210> 194

<211> 472

<212> DNA

<213> Homo sapiens

<400> 194

gcctgcaccg	agatcgacgc	catcagcgtg	gagaagaggg	gcatcatgca	gcaatggggcc	60
agcagcctgg	tgggcatgaa	gcaccgcgac	gaggcgacac	gggcggtgct	ggaggcgctc	120
agcgtgtccc	tagagcgctt	ccaagtcaa	aatataaaca	ccgctcggtc	ccgcctttct	180
accacatggc	attccgctgg	gatacttcta	cggggaagct	tcctgcccgg	ggcatcgagg	240
gcgttcgcgt	ccgtctgtta	tggcggtgct	gctgtagata	accggatccg	cgaatgctaa	300
cgctcaccag	gatgtatat	agcctttttt	atattgccta	ttaagccccg	aatgntttgg	360
gtctancggg	tattgctaag	taggattgtg	acagtcacgc	ccccggcagc	ggtgtttcaa	420
agtccccctga	cagctcaaca	tgttgtcaca	cttcangact	gtgccaatcc	ac	472

<210> 195

<211> 367

<212> DNA

<213> Homo sapiens

<400> 195

tgagggggcat	tcagataagc	catcatatcc	cctgtgacct	gcacgtacac	atncagatgg	60
ccgggtcctg	ccttaactga	tgacatttga	ccacanaana	anngaaaang	gcctgttnct	120
gccntaacng	atgacatggn	antttagaaa	nnccttctgn	ctggctcacc	ctggctcaaa	180
agctncccta	ctgagcaccn	tgggnnnncc	actctgcccg	ccanagaaca	accccccttt	240
gactgnaatt	tttcttttac	ctacccccgaa	tcctataaaa	cggccccacc	cctatcttcc	300
ctttgcttga	ctctcttttt	tggactcaag	ccccacctgc	atccagngtg	aaataaacia	360
ctttatt						367

<210> 196

<211> 507

<212> DNA

<213> Homo sapiens

<400> 196

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cccattgctc	aagcccatgt	ggcctgtttg	aaggagaact	gcttatctgt	gcagcaatct	120
atccgagggc	ctttggggcca	ttatgctgtg	aatgtgacat	ctgcagccaa	gctctgcagt	180
cagagtctat	gtaacaatca	tggaagagta	ttcgaaaaac	acctgagtec	tccttctatc	240
tgcatatgcc	tgaaagcagt	ggtaagaaat	atgtttctaaa	caagagtttc	agattcatca	300
tttctgaaaa	taataaacag	aagacaataa	cagacatgaa	gaatggattt	gtgtgtcact	360
gctattacgg	ctggcatgga	ccgtcttgtc	acgatcactc	ttcagatctc	ctaagagtga	420
tgaataaggc	tcctactatt	aacttcaatt	tattaanttt	tctcattatg	gcttcttctg	480
ngattctgct	aaaaaaaaatt	tagccca				507

<210> 197

<211> 176

<212> DNA

<213> Homo sapiens

<400> 197
ggcccatccc ttggttttag cctggaagac cagttttgac tttgaaccgg ttggcctaga 60
atttgggtgct ttgtactaca aactagattc ccagctttgt ccagccctcc tggagttgac 120
tgctgcctga agaatttctc accatgtaaa cacaactctc ctaaagcagg cctttg 176

<210> 198
<211> 304
<212> DNA
<213> Homo sapiens

<400> 198
agacagggtc tcaactatggt gcccaggcca gtcttaaaat cctgcctcaa gcagtcctcc 60
tgccttggcc ttccaaaatg ctcggtattat aggcaagagt gtcaggcata ctatatgcta 120
atccaacagg actgtggtct tataagaaga ggaagactct ctctccacca tgagaagaca 180
caatgagaag gctgccatct gcaagccaga aggagagccc tcgctgggag gtcagccatg 240
ctggcaccct gatctcagac ttccggcctc cagagttgga agaaaataaa cgtctgttgt 300
ttat 304

<210> 199
<211> 422
<212> DNA
<213> Homo sapiens

<400> 199
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gcagctcagg tcttggtaga gaagatctac cataaacagt gtagctacaa aatgctgaga 120
atcagagggg cccaccaaac tgactttaat atccaatgaa gggacagctg tgccttgga 180
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aggacattag tgggtcnatg gcaaaatctg acagaaattc aaggactgct tctctcatta 360
aataagcttt tcaaggaaaa aagaatgtnc tnaaagntgg atgaagatgt catttggcca 420
tt 422

<210> 200
<211> 308
<212> DNA
<213> Homo sapiens

<400> 200
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catataggcc ctactgtaat ccatttaaag gttaagtctc caccacagcg cgaacatgga 180
tgcatgtgac acacaattag ccaattatgc atgtctatgc ttctcttttg tgaatattca 240
tagctcctcc tataacctgt tgaatatgta catttggcca cgctgttcag cataaatccc 300
tgtcttcc 308

<210> 201
<211> 361
<212> DNA
<213> Homo sapiens

<400> 201
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gcaagcagat cacttgagcc ccggagttgg agaccagcct ggataacatc gcaaaatctt 120
gtctctacaa aacagacaaa aatgaggatc gcttgagccc aggaggttga ggctgcagtg 180
agccacgttt gagccactac actccagcct ggataactga gcaagaccct gtctcaaaac 240
aaaacaaaac aaaataaaca aacaaaaaaa aaaagggccn gngngggccan ttaanttgg 300
antnanccag gnnnaattng ttnaaanggg ggggacnccn aatntntttt tttttttatt 360
c 361

<210> 202
<211> 333

<212> DNA
<213> Homo sapiens

<400> 202
gccaaagaaag gtaaaggcct cttggggcctg tgatcaaaga gtcaaacactt aagggttttgg 60
cgatgctggt aatgatgaaa taaggcaaca ctgggggcaaa cactgttatg gccaatgacc 120
tatgcatcca angcagcttc ttcagcttca agttggggaca gtcgagcacc aagaagagga 180
tctacatcag cgtcttggtta ctggtggtga caaagcagca atctgcctga ggctctgcaa 240
gcctacaaca ttcttttttaa catccccaag ctggaaacac gtaaaatgtc cataagccac 300
agaaaaaata aataaagtat ggcatttttct tac 333

<210> 203
<211> 128
<212> DNA
<213> Homo sapiens

<400> 203
gcggtaaaac acagaccatg aggttgaggt gccactggcg gcggaggaag cggcgacctg 60
cactgggaga gattcattac ttcggtttta cctccggaaa aagctggagt caagttatgc 120
ttatttac 128

<210> 204
<211> 475
<212> DNA
<213> Homo sapiens

<400> 204
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gaagaactaa tgtcttctgc aacagccaac aagggcctta ggcttgccaa cagccatattg 120
actgagcttg gaagtgaatc ttctgagccg gccaacagcc cgtgatcaaa gccatcaagc 180
tacaaatgat cttacaaatg gaacctcaaa tgagctcagc tcacggcttc taccgaggac 240
ccctggatca acccgctggg cctcaatta ccctagaaaa ttccccctctg gaggacacca 300
aactgcaggg ccccttcttc acccctaacc agcaggaagt agccagaacg actgncacac 360
ggntcccaac aacaattggg gnggtctggt taaaagccag aattgaaagg agnggccant 420
tggcttcctg ggtcaagtag gggctcaaaa agctgngaaa ctcactcatt tctctg 475

<210> 205
<211> 356
<212> DNA
<213> Homo sapiens

<400> 205
tgctgacttc ccacatcana agcagaatga tcttcancce aagacacagg caaagagagc 60
atctaactgc ttaaaatgag agcaggaatg gctgttggct tagatagatg gcaccccaga 120
gtcctgaaag aacttgcaga tgtgatcaca ggaccatctg aaccggagaa accggggggga 180
atggagagac agcaaaagac cggagatggg taaatgagtt ccagattttc caacacaaca 240
ggaaaagtgga cttacgggtc tgtgtgctgg ttacatttaa tgttgagctt cagcaaaaact 300
ccggaacaga tgattgaagg ggctttgtgc cgtatttatt taaagaaaag taatga 356

<210> 206
<211> 344
<212> DNA
<213> Homo sapiens

<400> 206
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gccttcaccc tcagctgttg caactctttt ggccactttg tgtaactgcc ctgccaaagcc 120
ctgcttcctg gctgttcaaa gaaagaagtg tttcctacag gagatcacia caaaaggatg 180
aaatctgggg tgcaggggaa gggtagcttc tgaagctgga aaataaagaa gtaaggaagg 240
gagactgtgg aatttaccag ggaggggaaac taatatttcc ttttcatatt aagttgntac 300
tattctgggt ttttaccatg atcatatatt atattcaaaa taaa 344

<210> 207
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 207
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 cagccatgaa ttcttgggct caagtgatca tccttcctca tcctccagtg tagctgggac 120
 tataggcaca tgccagcatg cccagctaata tgaagaaaaa cattttcaga tgaaattgtt 180
 gtacatatat cttcaagtgt gttagaaata tacatcttgt gtattaaatt tatttgctca 240
 g 241

<210> 208
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 208
 aatcttgcta ctctccatca caaggcaaag tctatcttcc tttcttttga atctgggaag 60
 acacttggtga ctgcctcaat gaataggaag aatacagtggt aagtgatgct gcgtgggctgc 120
 taagaacagg ctggaaaagg ccatgcagcc tctgttcgtc tcctctcttg aacacttgctc 180
 tttggaaccc tgagttgcca agtaggacat ccagggtctgc cgtgctgtgg ggaagcccaa 240
 aactagccca cacagagaga ccacatgaaa aaacactgac attgcatgaa gagagggtga 300
 tgtgctccag ctgcctaagg cttcatctcc tgcctgttcc agctccagaa aacctgaagg 360
 ccacagcatn agacccttg nnttaaacca ttttacttga cctgttntga actttngacc 420
 aatttnttat ttttgaccaa taaaaaataa ttttatt 457

<210> 209
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 209
 atggtgtcag aagtgggatc tgaagtagag gttgtaacga tccccaggag tgctgagtga 60
 acaagcaagt tacctgcaga atccactgtg tcctttgatc tgtcacagca gctgggggttc 120
 ctgactttcc ctcttggtgc ccaggctgga gtgcaatggc acaatctcgg ctaccgcaa 180
 cctccgcctc ccgggttcan gcaattctcc tgcctcagcc tcccagtag ctgggattac 240
 agacatgtgc caccatgccc agctaatttt gtatttttag tagagacagg gtttctccat 300
 gttgatcagg ctggtctcga actcctgacc tcacatgac catccgcctc anccnccaa 360
 agtggnggga cacaaanccn ctngaccnng gctatnttgc tggaaattta ntaannngctg 420
 gnggaaccat tccaatcttg gaaagctgca aagacaacat gttaatgatc aacacctggc 480
 cc 482

<210> 210
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 210
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 tcgagtggaa atggaatgca agcattcaga ctccagaact tgcactgtct tcagaaatgg 120
 cctcaagtta gtggtttgct caggggtgaa gagcaaagca aagttcagggt cctcatccca 180
 ggggtgtgtca cttggcatga gggacgagga cccccatttc ctctcagctg aggggaagag 240
 ctctccacaa tgtccccctg cacggtcctc tggctaccct gacaacaagg gccagctctc 300
 cctactctcc ctggagataa gctgggctca ngaggtgcta cccgtttcg 349

<210> 211
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 211

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gcagagtgc	attgcaccag	tctgagacct	acacccttaag	gatgcctggc	agctcctgct	120
tttgtgttcc	tcggagtcac	gagccacgaa	gtcaagctac	cctgctggag	agaccagctg	180
aagaagcctc	ttgaagagga	cctgagacct	aaggctcagc	catcccagac	tgtgagttaa	240
acctccagat	gagtcacaac	ccacctgcta	tctgactaca	gctacataga	cgacaaaacca	300
cctaagtgat	tccagtcaac	ccacacaact	gtaaaagata	ataaaagttg		350

<210> 212
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 212						
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actggattga	tacaaccatc	agttctattc	agattatgga	aatccagcaa	ataatagatc	120
atcagtattg	cattcaaagc	ctccagtgcg	gatctggaaa	ttataattac	aatattcctg	180
ttaataaaca	cacaccacc	aatgtcaagt	tctctctgga	aataaacaca	acagagccat	240
tgatagtctt	ccagtgcata	ttcacccttg	gaaatatatg	tttccatagt	aaaaggggaa	300
ccaaagggat	ggaaagccac	agagaaatct	cccaggagat	gacacagggg	tatcaagcac	360
atgtggagcc	tcctggacc	catttttttna	acagatngtt	ccatttccgg	gaagctgccc	420
ggatttagct	gctgtcaact	gacccctatt	ttgctgggat	attcttcacc	gattactt	478

<210> 213
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 213						
agatgtggtc	tcactatggt	gtctagactg	gcctcaaact	gctgggctcc	tgcgatccac	60
ctaccctggc	cttccaaagt	gctgggatta	caggcgtgag	ccaccatgcc	cagccgcttc	120
atcttttctt	actcatgggt	gccccattat	tgctgtgaag	cctttttcta	atgttcattc	180
tctccctctg	caaagtgggc	aacagtgaag	aaactacatg	attttcaggg	aatataagca	240
tggaagatgg	actaaagaac	acagcaggcc	gggtgcagtg	gctcacacct	acgatcccag	300
cactttggaa	ggccaagnta	ggaggatcgc	ttgaggctan	gantcnaaac	cngcctnggt	360
caacataaaa	aagaancng	cttttcnaaa	nnaaaaaatt	ttaaaantta	ggcccaattt	420
ggggggcatn	cntnntngng	gntcccagct	gnatggcgng	agggatcact	tg	472

<210> 214
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 214						
gcgggggacat	ggaggccac	ggagtacctg	gcaggccac	agtccacagg	ttggaaagag	60
gtgccaaagc	cctgggcttt	aagcctgggc	tctgaccttc	aacgtttgct	tttcacacca	120
cacatcatgt	caataaatag	ttactgg				147

<210> 215
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 215						
tcaacttgct	gaaagggaca	acattctgga	ccacgcatgt	aaccttggcc	accatgctga	60
ctctcctgga	tgggctgcca	tcagggatca	taggtctcat	gagcagactg	tcaccggatg	120
acggactgaa	ccccaacagg	tggtcttgct	gcattctatgc	accgccagaa	ccccacacc	180
tcccattctt	caaattggacg	tacagctttc	tccttaagtc	aataaacttg	aaaaagttgc	240
tttataccgc	ttgagtaagt	ggtcagcctc	ataaggagga	gacaactgtg	aagataaata	300
tcatgaaaac	aaaacgagat	taaattataa	ctagacat			338

<210> 216
 <211> 363

<212> DNA
<213> Homo sapiens

<400> 216
gggcattnac ataagccatc atntncntg ngacctgcac gtacncatnc agatggccgg 60
ntnctgcctt aactgatgac atttcaccac aaaanaagtg aaaatggcct gtnccctgcct 120
taactgatga catggacttg ngaaattcct tctcctggnt catcctggct caaaagctcc 180
cctactgaac accctgtgac cccactctg cccgccagaa gaacaacccc cctttgactg 240
tnattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcaac ccacctgcat ccagntgaaa taaacagctt tattgctcac 360
acc 363

<210> 217
<211> 236
<212> DNA
<213> Homo sapiens

<400> 217
atctagaagc aataaaatgg gcttaaggaa cacggaataa agggagcaac cctgtgaaga 60
ccacaaaggc agaacagtga cagcagctca gcagcaagac tgctgggcac cgggcctggc 120
tctccaccac ctgactgggt aacttttcaa acaccttcat ttccaagaa gtaggaatgn 180
tggaagact aaataaacat atgtcaagta ctttaattacc tgcccacata gtaaag 236

<210> 218
<211> 377
<212> DNA
<213> Homo sapiens

<400> 218
gtactcacia gctacaatgt aaatcagtaa agaaagagat aactatacca gaatatggag 60
cctattgata ggactcacia gattcaaggt gccttgcca aacagatgtt cattgctctt 120
tgacacacct taaataagag ttctgtagtt aaacaacttt ggaaaaagag gtgtactctc 180
accctcccc atcataatga acatcagcat gaaggctcta agaagaccca cagcaaagaa 240
gccggttcag ttatttttaa tctgactctt cacaactta ttttacacca ggtaactttc 300
aaatcttcac agaactaatg ttttgtgaaa tttactttga aaaacatcgt gctagaaata 360
acattatttt gctatcc 377

<210> 219
<211> 356
<212> DNA
<213> Homo sapiens

<400> 219
gggcattcag ataaagccat catatcacct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttctgcc 120
ttaactgatg acatggtcct gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgccaga gaacaacccc cctttgactg 240
taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tatttg 356

<210> 220
<211> 436
<212> DNA
<213> Homo sapiens

<400> 220
gggcattcag ataaagccat catatcccct gtgacctgca cgtacacatc cagatggccg 60
gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggcc tgttctgcc 120
ttaactgatg acatggtcct gtgaaattcc ttctcctggc tcatcctggc tcaaaagctc 180
ccctactgag caccctgtga cccccactct gcccgccaga gaacaacccc cctttgactg 240
taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattgcttca 360

cacaaaaaaaaaaaaggccaggaggcccant tcanctngga cttaccaggctgancttgn 420
tcaaaagggg gggacc 436

<210> 221
<211> 441
<212> DNA
<213> Homo sapiens

<400> 221
acctgccttt catcttcagc catgactgtg aggcctcccc agtcatgtgg aactacggac 60
tcttgctcta tcaccaggct ggagcacagt gacgcaatct cggctcactg caacttccgc 120
ctcctgggtt caagcaattc tcttgectca gcctcctgag tagctgggat tacagagtca 180
taagaagaaa cgggtgatgcc tgacaacttg gtaaaacctg agacatgaac attgagtcct 240
ggactcggat tgtctggctc tcaggacagg atactccaga attcactctg aggcctccac 300
tgggcagtca ttggtctgct aagaacatca caccgnggga taaacttcct ggaagtcata 360
atttaaacat ttgagtttct cttttacccc agcaaggggc tttatgttgg ctcaaaaagc 420
aatgtaatga caatcttgct t 441

<210> 222
<211> 443
<212> DNA
<213> Homo sapiens

<400> 222
gtgaagtctt gaggccaaga aagggtagct gattttctcca ctggtgacag aatttcgctc 60
ttgttgccca ggctggagtg caatgacgag atcttggtct actgcaacct ccacctccca 120
ggtttaagtg attctcctgc ctccagcctcc caagtagctg ggattacagg tggagtcttg 180
ctctgtcacc caggctggag tgcagnggag cgtgatcttg gctcactgca agctccgcct 240
cctggttcac gccattctcc tgcctcagcc tgcggagtag ctggaactac aggaagaaaa 300
atggncttan aangggaaaa ccanttgcan ccaagatcca aattaatacc aaggngccg 360
gggagaanaa agaaccntgg tggaagaaga gtgaaaaagc nttgtctttt ggggggtgaat 420
tgcagaaaga aaataaatta ttg 443

<210> 223
<211> 436
<212> DNA
<213> Homo sapiens

<400> 223
gggcattcag ataagccatc atatccccctg tgacctgcac gtacacatcc agatggccgg 60
ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
taactgatga catggtcttg ngaaantcct tntcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac ccccactctg cccgccagag aacaaccccc ctttgactgt 240
aattttcctt tacctaccgg aatcctataa aacggcccca cccctatctc cctttgctga 300
ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagttta ntggctacnc 360
attaaanaaa aaaaggcccn gggggggcct tccggtngga attaaccgg gtnantttng 420
ttaaaagggg gggcca 436

<210> 224
<211> 457
<212> DNA
<213> Homo sapiens

<400> 224
ctatgaagag cagcccgctg tgggagacac tgatggccct cgctgactct agagtggagt 60
gaattgctac cttgctgacc aggaatgat cgatgcctgg cacctggcag tgaatggggc 120
gtcctgcgat gatccgaaca cgctgttct cagaaatttg cagcacaatg ttgttatcca 180
agacatacaa tgaattgtcc ataggattta ctgcaaggtc tgttgccac tctaactgca 240
cctgtgaaac gaacagaaca cataccatta ggttaccatg tctttccatg gacagtttta 300
acttgaaaaa aagaaaaaaa aattggtgta ttgnttcccc cgtcttatga attttaanca 360
ccattgggtg atgtctcgga aagtggagg cagggggagg atggttaatc acatgttctg 420
gtaaacgtac ttatcattta tgccatttac aatataa 457

<210> 225
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 225
 cagaactgag gacncagtgn ncatgtaact aactcctggg taagaggata tgggtagaan 60
 gcacangng cnaattccng gcttctgctc cttgaaacac agtaa 105

<210> 226
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 226
 gggcattcag ataagccatc atatccccctg tgacctgcac gtacacatcc agatggccgg 60
 ttcctgcctt aactgatgac atttcaccac aaaagaagtg aaaatggcct gttcctgcct 120
 taactgatga catgggtctg tgaaattcct tctcctggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
 aattttcctt tacctaccgc aatcctataa aacggcccca cccctatctc cctttgctga 300
 ctctcttttc ggactcagcc cacctgcac caggtgaaat aaacagcttt tattggctca 360
 cacaaaaaaa aaaggccagc gagggccaatt cagctnggac ttaaccaggc tgaacttgct 420
 caaaagg 427

<210> 227
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 227
 gagacctgag ccactaagta agaagtccag ttaccctgtt ggataaacca catggagaag 60
 gaaaggccct gagatacttg gagagaggga aaagtccagc tgcccagcac ctgagctgag 120
 cccagcctca gccaacccca cgggctgact gcaaacacat cagtgaccac cagtaagacc 180
 agcagagctg cacagccaag cccagcctag attgcagaat tgtgagcaaa taaaatggat 240
 attgctttaa gccacaaaat attgaaatgt tttttaaatg tagaatgtga tttctaagaa 300
 taaaaagttg caaat 315

<210> 228
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 228
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 agttgctgac aacagaaagt taccctgaac cactgaccaa gggatgaaaa gcgtccgtgt 120
 actattagta attctcagaa tcatctctgt ccccaaccaa gtatggaaag ccaagtacag 180
 tatcatggaa ccaaattcaa atgctgggtc caaagttccc gacttgcttg ccttcaagtg 240
 ccacttgaga gattttaaat gacagtgaat tgctttgttc aactaaaaat tcaaagtgtc 300
 gggacaangt ttatttctga gactcaagag atagtttttg ctttagttgn tgccattggg 360
 gntgntgggg nggggggaaa aangncagaa aataaaatct gccacttttc ttttc 415

<210> 229
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 229
 aattgtgaca ggctcccagg acctaaaccc agaaggaagc aggaccatat tgctgcctag 60
 agaaggggat ggagcagatt ccaggacacc gatgaaacag aagcttccat cacagtgcct 120
 tctgtacac tatgagacag ttcgcatctc aacagctcta ggatacaaa gaagcacata 180
 catttatact ttataaggtg gccaaaggaat cctactgtga acaaagaatt tctaagataa 240
 taaaatccca cttttttttt ctataaaaag caaaaaaaaa aaggccagcg nggccaattc 300

agntnggact taaccaggga gaanttgntn aaaagggggg gactaccaa 350

<210> 230
<211> 91
<212> DNA
<213> Homo sapiens

<400> 230
tgacacgaaa atctggttct cttgcactaa tatgtgaact tatggacatg aatatttatg 60
agctaatacg agggagaaga taccattat c 91

<210> 231
<211> 285
<212> DNA
<213> Homo sapiens

<400> 231
ataaggaaa cgaagcacag agaagtatct gcccaaggtc acaaaccagt ggagcaggat 60
ttgacccaaa gcagacagtc ggacttcaca gcccggtgctc tcaacatcca actgctgaag 120
agttaacaat ttacccttga cagccgctat aagcaaagggt aaatgctcaa ctgctaggaa 180
gggacagtca gaacaccgct ccatatccag tatccatgctc tctctgtttg tttatggcct 240
ctatgacttt ggcaaaagaa gtacacacaa tctgattttc cgaac 285

<210> 232
<211> 71
<212> DNA
<213> Homo sapiens

<400> 232
atgggtggagg attgctcaag cccaggaatt tgagaccagc ctaggcaaca tagcaagacc 60
tcattctctac g 71

<210> 233
<211> 155
<212> DNA
<213> Homo sapiens

<400> 233
ntataatggc tanagctgga aacacatcat gtatncagan ggaaaagggc aagaagattg 60
caggatccac agacctggta ttcccaaaca gctgaaccag tntcagtaca cctctggatt 120
tcccattact tgagataaat aaactctttc ttttt 155

<210> 234
<211> 428
<212> DNA
<213> Homo sapiens

<400> 234
gtatcgatcg caagagtgcc cccaatcaac tttctgcaag caaatctctg tttcatggag 60
aacctggcct gcaacatgac acctctcacc acatcttacg tcagcagttc cttaaattgtg 120
gctgtggact tgctacagca gatatgtttg gagaaaaaaa ttcatttttc tcatgttcac 180
cccacaccta caaaaccata atctccatga atgggtccca aggatgtgta ttttttcaaa 240
gctcctcctc cactgctgaa tctagtgtat agcttgatgt agaaaccact gctataccaa 300
aggctcagcc tcaaatcagc ctacagcttc tatcttgctc catcttcggt tcagccacca 360
atagagnngn gaagccatta aaaagggtcaa aagtaggtaa ataaaatgtg aaccagtata 420
taaaagtt 428

<210> 235
<211> 355
<212> DNA
<213> Homo sapiens

<400> 235
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 gttcctgcct taactgatga catttcacca caaaagaagt gaaaatggnc tgttcctgcc 120
 ttaactgatg acatgggtctt gtgaaattcc ttctcctggc tcctcctggc tcaaaagctc 180
 ccctactgag caccctgtga ccccaactct gcccgcaga gaacaacccc cctttgactg 240
 taattttcct ttacctaccc gaatcctata aaacggcccc acccctatct ccctttgctg 300
 actctctttt cggactcagc ccacctgcat ccaggtgaaa taaacagctt tattg 355

<210> 236
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 236
 gtaacaactt ttaaaccattc acgtgacgga ccaccttccc tcagccaaac aatttccctg 60
 aaaggcgccc gaaggagcct tcccatccac cgcgggtgcc caggaaaggc ctgtggggct 120
 ctctcctccc cgtccacac gccctcgcat cccaccgagg cgccagcttc tgccctgcacg 180
 ttgctgaaac tggcctggag gttctgacaa gaattagagc ggcggccggt gccccgggga 240
 tgacctggaa gcgaaagaga ccggcacgaa ttctagagtt tcgggggttc cgccgggttg 300
 gattgtacgg gaaacaatgc attaaccaaa cctaaaaatc aaacaaacac cgtctggnag 360
 aaccttacca ttaaaaagct t 381

<210> 237
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 237
 ctcangatcc atccatcctg cctgtgctcc ctgggttcgtt ttccctccag ccaactgccaa 60
 atgccaggac acaagtcacc acctccccta tgcttagcct tgctatcctc catgtcattg 120
 aggccctcac gactccact ctggaaccaa gcaatcaagg cctctgaatt gcactgttgc 180
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 tgccctgcct gagtggtttc cagctgcccc cagagcacct agaagaggcc cagcaaatag 300
 aaggcactcc atgattattt gataaaagaa tgaatataac ccaacacttt atgggtcccc 360
 ataactggat gccccctcc ccatggtcag atccttttta tatttggtgg acatgacaga 420
 aatnaatctt ccaaataaat gaattctta 449

<210> 238
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 238
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 aagcccttcc agaaaagccc ggactttcca gaagcatcct cagcaagtgt cacaaggaag 120
 gaagccagag gctgcccata gcatacctga agagagtcaa cctagtctcc ttaaaccattt 180
 cttctgctcc acccctgaaa gaagcaatga ttaaactttg aagccctgta tatcttaata 240
 ccttgggaac atttgctatg tatatcctca ttaaatgaaa acattgcaac ggcaaaaaaa 300
 aaaagggccg gggggnccat tnannttggg ntnaccngg gngnanttng ttaaaagggg 360
 ggggcc 366

<210> 239
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 239
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 cccttttgac tgagccaact gaggtgctc ttgaaatcaa aatctatcat aaagtaagag 120
 tgaagctgca gcgtgggtct acctaaaact caattcaaga aattcaagag aagagaacgc 180
 tcagctagag tgaaccagga gactgcaaca atcttggtca tttggttatt cacttattta 240
 atgtctgtat tttgtagatc tagattaatg tgaatttcct tagaacttgc atcttggttg 300

gtttactcag tgctatat ccaatgtctg acatagtacc tggttctcaa caaatacttt 360
gaaacaattg 370

<210> 240
<211> 305
<212> DNA
<213> Homo sapiens

<400> 240
gcctgaaaca caagcacaac acactgaagc taccatggat ccccttggcc cagcagctgt 60
tacaccctaa atgatattct cttctagcac ttccttacc tgtggtctta atctgaaggc 120
atctggactc ttcttcttat tggtagaagg atcacaatat ggtgcataaa acctatttta 180
tgtaacagcc cagtggacct gaagcaacac ttcatagcca agtacattca tagttcttca 240
acaaaatgta taaatttcac cccttggtgt aataaataaa gacaataaat aaatagcctc 300
ccatt 305

<210> 241
<211> 448
<212> DNA
<213> Homo sapiens

<400> 241
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gtttcttcag atgttcagag cctgggagca gtaagtgttc aaaaaatggt gtttaagggg 120
ctcactccaa caccagget ggagtgcagt ggtggtgtga ttatggctca ctactgcctt 180
gacttcccag gatcagatac gggctttcac tgtgttacc aggctggtct tgactcctgg 240
acttaaaact atccaccagc ctcagcctcc caaggtgctg ggattacagg tgtgagctac 300
cactagtggc ctcttctaag aggaaatttg gatatacaga gagacaccag agatgtgggg 360
gcacagagga aagacctgct tggatacagt aagaaaggca gcctctgcna acntaagaca 420
aagtcctaag aaaaacccaa ctgctcca 448

<210> 242
<211> 511
<212> DNA
<213> Homo sapiens

<400> 242
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ggactactgc ttaagtcana actgaggggc attcanataa gccatcatat cccctgtgac 120
ctgcacgtnc acatccagat ggccgggttc tgccttaact gatgacattt caccacatna 180
agaagtgaat atggcctggt cctgccttaa ctgatgacaa tggncctgtg aaattccttc 240
tcctggctna tcctggctca aaagctcccc tacttgagca cctgtgacc cccactctgc 300
ccgncagaag aacaaccccc cttttgactg gaatttttnc ttntacctan cccaaattct 360
tanaaaacgg gncccccccc taatnttccc tttgcctgga cttctctttt ttgggactna 420
ggccacactt ggcattncaa nggtggaaat aaaancann ctttttttgg ctctccncca 480
naancaaaaa atanaaataa tatagctctg a 511

<210> 243
<211> 425
<212> DNA
<213> Homo sapiens

<400> 243
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gagctctttg aagcagagaa agaaagcaga aagcagagat ctttgaaggc ttaagaaacc 180
ataaggagtt ttggagagtc aatgcatgat gatctctgaa gattctactg aaatctaate 240
aatatgtcct cactgccatc aattcaaaaag aacttgctaa gaaggctcta gaggcttgta 300
ctctcagata gtgaaagtga gatgatgtgt agtgaaagtc atatataagg tgtaaatgac 360
aatatggaat tcccaaatgc tgaattcatt ttatctcttc ggaaataaaa acctggtaaa 420
gactc 425

<210> 244
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 244
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 taagactgcc agaagctgag agagagaact ggaacagatt ctccctcatg ggcctcagga 120
 aggtcctccc tcaggccctc ttgccggcac tttgaattca aacctgtcgc cttcagaact 180
 gggagacaat aaatgtcttg ttttaagcc 208

<210> 245
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 245
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 tggtgcatca gacctccgtc tgggatcatc tttttcctgc ctgaagttcc agctttggaa 120
 tctccctccg gagggctctac cagtggcaaa ctcttaagtt tttgtatttg taagtgtat 180
 gatttcacct acgttctgga tacatgtgcc tcatactggg tacataattc ttgaaatata 240
 ttttactga atatat 256

<210> 246
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 246
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 tgaagaccac ctactgtgaa tctcagaggg agagctgggg acaggaaaagg atgactactc 120
 ccaccattct gtggacaccg agtccagcct ccgggaggag gctgagggaa ccttttggga 180
 cagccagggc agagaacgcc ttttacttct taaggctctg gatcaaaaaca gagaagcttc 240
 tgtttcggag cctggcaatc ctccaacatc agtgtgcatt ttaagccata aagcgcaata 300
 ctgattacaa acaggaatac nggagggcct cctttaaact gcttcagaaa acaaacctct 360
 cggggacttc gaaaggagct ctccaccatag ctccctgcaat ccactctgaa caggaaacct 420
 tctcatctat ttattaaa 438

<210> 247
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 247
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 gcggtggatg tgctaagtaa ctccacctcc ctggcgctga ggccagaaaag cagacacttc 120
 ctgcagctgc agttacacaa cgatgttctg tggatttttc gggcaatagt taatgattta 180
 agacaataaa atcctgtgcc ctccctgaatc cgtgggcact tccctttgca ccacaaatgt 240
 tggcctctgt ctctactgca gccacgggtg aaacagagag caggaaaaag agcttggaag 300
 aggaaccctg aagaaggggt ggacaccacg catcccagac ttctacacgg ctagaacac 360
 ccctgactaa tattattact aaagtgtata catggtggca ggccctgttc taggctcttt 420
 acaa 424

<210> 248
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 248
 gtaaagccat tgaagcacat tgagacaaga gggaccccag agggaaactca ttcaccttct 60
 ttccaacggg tgcgggtaca gaagtctgca gcctgcacac ggaagaggac cctcaccaga 120
 gcctgacctt gctggcacc tgaatcttga cttctggcct ccagaacatt gagtaatata 180

tttttgttgt gtat

194

<210> 249

<211> 300

<212> DNA

<213> Homo sapiens

<400> 249

caattgcttg	ttcagagctc	ttgggggatca	attggagggga	cactcacgaa	atcatctcaa	60
gcacagacag	gagacagtgg	actacatgat	aaagcagcgg	gaagattttg	aaccctttgt	120
agaagatgac	attccttttg	agaagcatga	ttcgtggtac	agagaaaagc	agcgtgaggg	180
agttacacat	cgcataatcg	tatggagagc	actacgacgg	tggtcggagg	atcaatgaca	240
actcaagagg	cacctgcaca	tctccagacg	gatttttcaga	tgcttcatca	agatgaagtc	300

<210> 250

<211> 471

<212> DNA

<213> Homo sapiens

<400> 250

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cctccatggg	ctcaggagat	cctcccacct	caccctcctg	ggtagttggg	actagagggt	120
gcatttcttt	tttctggaag	cacatctttt	aaaagatatt	tacatgaagg	tctaccagac	180
atgaaattgg	agttctagaa	agggagaaga	tgaggatggg	gaagaaacaa	tatttcaaga	240
agaaatctct	caagaatttg	ccaagtctga	cccaaaacat	caagcagttg	atttaagaag	300
tgtataagcc	caagctgggt	aaatacaatg	aaaaccacac	tttggcacac	cagagtcaaa	360
ctgagggaaa	tcaaaaccat	tattaaacct	tggaaatccc	ctttncttn	aagcacctnc	420
attaagataa	atagctaatt	tcctaaaaca	aattatggga	agccagaacc	a	471

<210> 251

<211> 614

<212> DNA

<213> Homo sapiens

<400> 251

ttcttggggg	gaggcttacn	cttggcattt	atagcttnag	gcaannttgg	aggaggggaa	60
ggacccctt	ncccaaaagg	gggaaccaag	gccggaagga	ccccccaaag	gttccgggat	120
tgccaccct	tggccaaagg	anaggggttt	ttantttggg	gggtaacaac	ccgggggtac	180
cccccgggg	cggaaatttc	aaantctaaa	attccgggaa	ggggaacttg	gccgcncccc	240
ccanattgga	angggggggg	tttgtggggg	cctctttttt	atthttgaagc	cttccggggg	300
ggaagccaan	aaaaaccgcc	gccgaaacca	agaaacctaa	gaaaaccgaa	acttggattt	360
gctcccctta	gcaaatccgc	attcattcng	gtgcccgaag	ggaccaccgc	catttcacnc	420
aagatgaaac	cgtgggccc	aagggtttgac	aaaggggtcc	acaaggcagg	gtttanatgg	480
gccccgttta	aaaacttatg	cttnttnttg	cgggggggccc	attctntaag	gaatgggggn	540
ggggtcaana	atgaattccn	ttntttccn	aattgggggc	naaggncga	tggggcattc	600
ttttttaaaa	aaaa					614

<210> 252

<211> 546

<212> DNA

<213> Homo sapiens

<400> 252

ttacatccag	agcattccag	ttgttaatga	agaacacaga	ggtgattttt	cctatatattg	60
aaatttgatg	acaaaagaat	tcataggtcg	acaattgatt	ctaattatta	agtccttgga	120
taccagtga	gaaggaggaa	gaaaaaaaact	gctggctgtt	ttacaggaga	ttcttatttt	180
accacaatc	ccaatatccc	tgggttcttt	tcttgttgaa	agactactcc	acatcattat	240
agatgataat	aagagaacac	aaattgttac	agaaattatc	tcagagattc	gggcgcccac	300
tgttactgtt	ggtgttaata	acgatccagc	tgatgtaagg	aagaaagaac	tcaagatggc	360
tgaaataaaa	gttaagctta	tcgaagccaa	agaagctttg	gaaaattgca	ttaccttaca	420
ggattttaat	cgggcacacg	aattaaaaga	agaaataaaa	gcattagaag	atgccagaat	480
aaaccttttg	aaagagacag	agcaacttgg	aantaaagaa	gtccacatag	aagaagaatg	540

atgctg

546

<210> 253
<211> 474
<212> DNA
<213> Homo sapiens

<400> 253
agcaatatac tgaaatccaa gattgagaac agcaattctg agagcaaggc agtcatctga 60
gtccaccgcc ttccagctgg cccaccttat gaaagaagca aaccctgagg gcgtggagga 120
gagaagaaac tgctgtcagc tttcccatca cacaacttct caggcagtgc tggcgctctc 180
ccctgctcac ttaggacaaa ccaacacttt tggaaatctga ctgtcaagga gagtcacatg 240
gcaccgcgtt taacctcaga tcccaagcct ccaaatgggg tgtggtttct ccaaagggct 300
catgagactg atgtgtgagg acatgaggat gacatccggg tgggtgtggc actagaggaa 360
atgcenTTTT accnaggaca ggaagnaggg gggcccaatt ttentttcca acatttcaaa 420
caacaaggng tatgtccgac ccccgattca actttcacia acctgcactt aatc 474

<210> 254
<211> 496
<212> DNA
<213> Homo sapiens

<400> 254
gtattacag anccccaaac cagaacgtct atgtgggttca ggcntgccgc aatggaaaaa 60
actttgactt ctaattaaac acctgaaacc aatgaatcct cctcttggaa ccaataagac 120
tgggacatca tcagaacctg aatgacaaac ttttggagc cagggtctca cgctgtcacc 180
caggttgga tgcagtggcg cgatctcagc tcattgctac ctctgccttc tgggctcaag 240
tgatcctccc accacagcct gctgagtagc tggactacag agttgcctgc atttcagcag 300
tggatttaag caacctctat gtaaaatatt gcagcatgtg gagcttaaga tatttcttgn 360
ttcctgcttt aatctaaagc tttgnaccaa tgatgantaa ctnggaaaaa gaaggccttt 420
tccaagggac atcgtcact gncctgatgc ccnggcagtg nacacttacc gactcagntt 480
tccaaagatc ctcaat 496

<210> 255
<211> 377
<212> DNA
<213> Homo sapiens

<400> 255
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cttctccatg ttcatgcatg tcttttaacc cggaacaag aagactgtcc ataggtctag 120
acaatggnaa aatctcagag tttatatgtg cagaagatta taacaagatg actcctgtga 180
aaaactatca agcgcacag agcagagtga cgatgatcct gtttgtcctg gagctggagt 240
gggtgctgag cacaggacag gacaagcnat ttgcctggca ctgctctgag agtgggcagc 300
gcctgggagg ttatcggacc agangctgtg gcctcaggcc tgcaatttga tgttgaaacc 360
cggcatgtgt ttatcgg 377

<210> 256
<211> 245
<212> DNA
<213> Homo sapiens

<400> 256
ctccagcaac aactgtttct tgtgactttc tgtgggactc tgaggaaatgt tgggatgata 60
atcacaggaa ccaatggctg cctctggaaa gcccataatt ctgcacattc atggagcttc 120
actctgattc caaatccaga aagaccacca tgtcacttat ggagacactt gaaatccttt 180
ccacatcttc actcatcacg cctgggggtga gaactaggaa tacgtgaata aaccaataac 240
acgtt 245

<210> 257
<211> 721
<212> DNA

<213> Homo sapiens

<400> 257

agtcaagaaa	acttgnnggg	gccccggaacn	cctatnttgt	ncagntgggc	nctntccttn	60
tgggntantt	anaaccctnt	nnggagactt	ttnatgctgg	gtgggtgggg	acccatttta	120
annggccntt	ngaggggttt	ttttttntta	aagggttann	ttttnaaacc	gggcntnggt	180
nggggttttn	ggcngnttt	ttgaacaggt	ccncttaaaa	aaccagaagg	gcttgccaaa	240
aagaaatggc	ttttngnaat	gggcattccg	gctttcgnat	nccttgaaaa	attnccgga	300
aaacacttac	gacttaggaa	gntttgctta	anggccaaac	acgaaagatg	ggcccaaaga	360
aaccaaact	cgtaaggggg	actttccaaa	accccaagta	cttctcttgc	ccaaacactt	420
gtacctcaag	tttcatttgc	ccaggaagaa	gccatatgaa	gcctcacaag	tggccttgca	480
ctttacccca	agtaagccct	tggaaagtgg	tggggggccc	cgtacccttt	tgtaccaag	540
ccggggaagt	taagccgct	tgctcttacc	ttccttctct	gggtttcacc	tatncccgct	600
tcacttggca	ttgccaagg	gggtttcttn	tttcttggag	gggcaaaaag	ccccaaccac	660
caccctggtc	ttttttgggc	ccactttctt	tccaagcna	aaaattaaga	tttgggctct	720
t						721

<210> 258

<211> 345

<212> DNA

<213> Homo sapiens

<400> 258

accgtggccc	catctattat	ttttgaagag	gaaaactcct	ggngccaaaa	agtccaccga	60
tccttgggtc	agacaaggac	ttccaattgc	ttaatgtcag	atgaatactg	aaagggtcacc	120
agaggataca	ccacggaaca	cagggaacac	atgactattg	aagtgttgaa	gattccagat	180
gaaacgtttt	ttaaaatgta	agcctacact	gcaggggcatg	gtgttgtgcc	tggagtcccg	240
gctacgtggg	aggctgaggt	gggaggaccc	cttgagccca	gaaattctag	tgcaacctga	300
gcaacacagt	gaaacctcat	ttttaataaa	atatttttta	agcct		345

<210> 259

<211> 308

<212> DNA

<213> Homo sapiens

<400> 259

gattttctttt	caaaaagtga	ctttggtgta	gcctctggtc	tggggcgga	gatgagaatg	60
agagggcagc	ctgaccccc	tcctgataag	gaaggaccca	gcgcataacc	tggtcaggat	120
ctggagccgc	acaaacacct	gactcgcccc	ttcaaaaaca	gatccgcgga	atggctcggg	180
acacaacaag	aaattgccc	caacctgtga	cggctcattt	ttaccgacag	tgggaggcgg	240
gcagtgcgaa	ggaatgcccc	tttctccggt	gttccttccc	agaagcaaaa	gaacgtgttt	300
gtttatgc						308

<210> 260

<211> 517

<212> DNA

<213> Homo sapiens

<400> 260

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caggaagaa	acacgtgcc	agcctgccat	ctgccctcct	gtcttggagc	caggtctttc	120
caccagcttc	cttcatcttt	taacacttgg	tgaaggaa	tgacacgtca	gtcaaagccc	180
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catcagtcag	cgccgcaggc	tgggccaggg	acagctgtgg	aacctgagct	gggaggcagc	300
tgtgaaaggc	aagaaacaag	gaaaggggac	agaagtcacc	cggtcgggtga	gccagctcgg	360
aggcaggcag	agaaagcaag	agaagggggc	tctcctgccc	tcatacctaac	ctcccaggtc	420
ctcccaaaag	gctcccaacc	cttcccaaac	actccccagt	ctccttccctg	tccccaccac	480
catccctntg	gccctgattt	acaagctggg	cagtcac			517

<210> 261

<211> 94

<212> DNA

<213> Homo sapiens

<400> 261

ggcagcccca	tgaatatgaa	gatacttgga	aagtctttac	tacagagcat	gatttcagga	60
atgatgaaac	aataaatgag	aatctggtat	taat			94

<210> 262

<211> 342

<212> DNA

<213> Homo sapiens

<400> 262

ttaagtcgaa	ctgnggagag	gaanagaaag	acagagtnnt	gttctgtngn	gcatgctggc	60
gtacagtgcc	acaatcacag	ctcaccgcag	cttccaactt	ctggactcac	atgatccttc	120
tgcctcagac	ttccaagtac	ttgggactac	agtcacgaat	caccacancc	agcttggann	180
gantttttta	ngggnaaana	ccagtcaatt	ggaactggaa	ttatatgact	tggggccaaa	240
ataactgtgg	tcagctgact	tgttaccgta	tttaatttta	atdddggagc	ttgtattcaa	300
aagctattat	atgaatataa	gaataaatga	tttttttaac	at		342

<210> 263

<211> 520

<212> DNA

<213> Homo sapiens

<400> 263

ttaagttaga	tgtntgggna	ggaagngaaa	gacananaca	tgaanggagg	anggnccnag	60
nnnggacnnc	aagatgccat	ctataagcca	aagagaagcc	tnagangaag	ccaaccntgc	120
tgacaccttg	ttcttggact	tctagctttc	agaactgtgg	gaaaagaaat	ctggttgagtc	180
atccagctctg	cagtactttg	ttatagcagc	ccaagcaaat	gaatatacct	tccttgacta	240
cttcactctta	taacgtgcaa	atacctcaac	ttcagcacca	tttacctggt	tattcactgc	300
ctttattggt	agtcattttg	gtcttcccca	gaagactgaa	gctattaaaa	gactgataat	360
ctatttnata	tcttttggna	ttatcaagct	caacatggta	tcttcccaca	ataaaaaattt	420
gactttctgt	actcttcctt	ccattaatgc	ccgagtgaaa	atatggctgg	tagtggtttg	480
ctgaagtaaa	gcggattctc	ctgcctgaaa	aaaaaaagaa			520

<210> 264

<211> 566

<212> DNA

<213> Homo sapiens

<400> 264

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tacctagaag	aaaatgaaac	acctttactg	ttacattatg	gtacctagcc	tccaagaaga	120
ccccgttggt	ccccactctt	ggtattcaca	cctttgtata	gttccctgct	cactatacca	180
nagcgggtct	gcgtgaccat	aaagaagtgc	ggaagtgtcg	gcgcacgctt	tctgagacta	240
gtttataaaa	ggctgcagct	cccatctctc	tcagatcact	tgctctgggg	gaaaccagcc	300
accatgcagt	gaggacattc	aggcaagcaa	gcacccaggt	gatgaggagc	tgcattccacc	360
aactgtgagc	gagccccgag	ctccgcagcc	ctggccgaca	gcctgactgc	agccccagga	420
gacgctctgc	gccagaatcc	accagctgag	ctgctcccag	accctgactc	gtaggaactg	480
tgagatcatc	aatgttttgt	ggttaaagct	gctaagtttt	ggggtcactt	gtgacacagc	540
aacagataat	attcttcctt	aataga				566

<210> 265

<211> 334

<212> DNA

<213> Homo sapiens

<400> 265

ggccgacaag	ggagataaat	tccgtaatgg	gagctgcggc	cctgctctcc	tgtcctgggtg	60
gagctttggc	tattggaaag	gattcagttg	cctgtctgaa	cagtgactac	catgaactct	120
acatgctgtc	tacttctaac	cctctttggc	ctgactccag	cttcaacacc	tggaaacatg	180
gcaaaaagaa	caggggggaca	ttggcttggg	ctggagccac	gtgtcagagt	ttgactcaag	240

gatagttgat	gtagaatgaa	gagaatgagc	agggacaag	aggtataaat	gtgcatgatg	300
tttattcatt	caacaacat	catttgagcc	cctg			334

<210> 266
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 266						
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ccctggactg	gaaaggactg	gaacattggg	agtgggaagtc	cacattagcg	gaatagtatg	120
ttctgaaggc	atttgagcag	atgaaaacct	gatacatgag	acataaaacc	tgaggaaaat	180
tatttcatgg	gaacggtaaa	aatgggtggag	agggtaaatt	gggcaaggga	gaagaacgga	240
ggagagggag	agggaagtgc	tgctgaactt	atttcaaaga	agaagaagaa	aaaaaatgat	300
ctcttgtttt	tcattaaata	atggatgctc	tccaggcc			338

<210> 267
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 267						
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gaatagagaa	atcagcaaag	gacggtgtgc	aggccagctc	ccttctcaag	ccatgtggtt	120
ggcagaccct	gtgggagcct	tccgggaccc	acccttccat	cctctgcaca	gccgctaaag	180
gaggggtgagg	agcccacacc	agaactggtc	tgcttgtagag	atgcctgaag	aggacagtcc	240
cagttgattg	tgttttctta	actgtagact	ctaactcttc	caggtggaat	cttaattgag	300
gctggccctg	ccagggcatg	tacaggggtcc	tggaattca	acagaatgaa	ttcaacagaa	360
tgcatgggat	ctgatgtcag	aaatgccttg	cttgtattct	gaccatatca	catatgagct	420
atgtggtgat	tt					432

<210> 268
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 268						
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cacctcagtc	tccaagtag	ctgggactac	aagtgtacat	caccatgcct	ggctaattga	120
ttgtcaattt	ttgtagagat	gggggtatcac	catgctgccc	aggctgccaa	gtctttatgt	180
actttccgac	tcataaaaag	actaaattat	gttcaatact	attttagcat	taattaaaca	240
tattttgcta	tattg					255

<210> 269
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 269						
gacggactct	tgctgtgtca	cctangctgg	agtgcagtgg	gcgcaatctc	agctcactgc	60
aacctctgcc	tcccgggttc	aagtgattct	cctgcctcag	cctcctgact	agttgggact	120
acaggcacat	gccaccatgc	ccagctaagt	tttgatattt	tagtagagat	ggcgtttcgc	180
catattggac	agactcctga	ccttatgatc	tgccctcctc	ggcctcccaa	agtgcaggga	240
ttacaggcgt	aagccactgt	gcccggccat	gcattcattt	cttacacgta	tcattgttgt	300
tttaaaagtg	aaaagcctaa	gaagagatgt	taggtttgct	tgtaggggta	ggattaattt	360
ctaggtacac	caagccaaat	ttncagtcct	gctgntaaca	cccaacttct	tgngaaccct	420
tttttttt						428

<210> 270
 <211> 286
 <212> DNA
 <213> Homo sapiens

0423674-102799

<400> 270
gttgaggatgt agttgcgtga tcacagctca ctgcagcttc aatccccggc tccagtgtatt 60
ctcccacctc agcccccgag tagctggggc tacagggtgca cattacaaca cccagctagt 120
ttctgcagtt tttgtggaga gatcgtttca ccatgttgcc caggcatttc tcaaactcct 180
gtactcaagc aaaccttcca ctttggcccc aagtactggg attcaggcaa gagccaccgc 240
gtctagccaa ttatacaatt tttaaaataa attgaaatgg tcgttg 285

<210> 271
<211> 285
<212> DNA
<213> Homo sapiens

<400> 271
gtcctgatat ggaagaaact actgatgtca gctgaaggac cacactgatg cagctgtcct 60
gaaggactcc ccgaggagct acctcatcaa aaaatacagt ttccactttg cgatgatttt 120
atcccccttg ccccaaccga ccagcaaccc cagtattcca gcccctcact ctccacaata 180
cccttaaaaa cctcatccc agaactcctt gaggagatgg atttgagggt cccttctgtc 240
tccttgcttg gccacccctc aatcattaaa ctctttttct getgc 285

<210> 272
<211> 326
<212> DNA
<213> Homo sapiens

<400> 272
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ttcagtaaat aatcaaaggc aacatctgag ctggataatg aacaggaaga aaagaccacc 120
aagtatcatc attagtggaa tactgactga aatgaatcaa gatctcttcc tcaaccaaca 180
tgacagaaac attccaaagc tgccttcac aacctaggtt ctataagaaa ttaaagtcct 240
aatgctctaa tatatgctat tataggcaat gagctcttaa tcctatgcat ctagaagact 300
ggctatgtat cacccttggg agaact 326

<210> 273
<211> 362
<212> DNA
<213> Homo sapiens

<400> 273
tctccaaaat actaggtgta tgggtgttacc ttccaccac tgggtgaaaac aacctatggg 60
ctaggcactt tggagtagca cccaccagct gtgtgaaggc caaatggatc ttaaagagtt 120
gtgcagtggg actgaaagag gagagtcact atttcagaga taaccaaagt ttaaaaaaaaa 180
gagttttgag aacgtggaca agcttcaa aatattgttc gaaagaaga ggaatgacaga ggacttggag 240
gggaagaaaa caaaaatcat aatcatagac aatattgttc accatgtaca agacagtgtt 300
ctaagcagaa tgagtgcctt tgggtgatgat acctcgtcag gaccacagta aacttaccca 360
ct 362

<210> 274
<211> 105
<212> DNA
<213> Homo sapiens

<400> 274
ggaggctgag gtgggaagat tgcttgagcc caggagtttg agaccagcct gagtcaacac 60
agcaagacac tgtctcttaa aaaaaataaa taaatacttg ttttg 105

<210> 275
<211> 548
<212> DNA
<213> Homo sapiens

<400> 275
acagggtctt gctctattgc ccaggctgga gtgcagtggc acaatctcag ctcatgtcag 60

cctcgacctc	ccaggctgag	atgatcctcc	cgctcagcc	tcttgagtag	ctgggactac	120
aggcgcgcac	caccatgcct	gctgattttt	tgtagagaca	gagtctcgcc	gtgctgcaca	180
gactagtctc	gaactcctga	agctcaagtc	atctgcccac	ctcagcctcc	caaagtgctg	240
ggatttcagg	tgtgagccac	catgcccagc	catattcttt	tttttttttc	aatngnnggg	300
aaattcccnt	ancataaaat	taacttttta	aacngaacaa	ttcagggggg	ntaaaaanat	360
tnanaagggg	ggactannan	aaccttngnt	tagttccaaa	anattttnt	taccccnca	420
aaaagcccan	acnttggang	nnggaacttc	ccntttttcc	cctnntccca	gcctttgaaa	480
acnacnaann	tgggtttttg	tggntngnct	nttttggnnn	tttnanataa	angngggttt	540
ttaatatg						548

<210> 276
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 276						
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gagggagatt	tgaaactgac	aggagaagtc	agtaagacca	tgaatgcaga	gattcgagta	180
atacggtac	gagccaaaag	atgccagcag	ccacctgcag	ctggaagagg	cataaatgga	240
ttctccccta	aagctcccag	gagtgtggcc	ctgctgacac	cctgatttca	gccccatgat	300
actgatgttg	gactggctct	cagaactgtg	aaagaataaa	ttcctattgt	tttaaac	358

<210> 277
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 277						
aagngattgg	aggtagtca	gcttcaaccg	tgccatgagg	acctcaccct	aggaggtggc	60
agagacaccg	gaggaatgga	acccaagtc	tgggaataacc	tcacattgca	gagccacctt	120
gctaattctg	gactgctcac	ctctggacta	tacttgga	aataaatata	cttttaagtt	180
gtt						183

<210> 278
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 278						
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gataaagaag	gatcctcaat	gtcagacatc	tgagcccaag	ctaagccatc	ataatccctg	120
tgactgtcac	atatacatgc	cccactccaa	ctaataatc	gacctgtgta	cattcctccc	180
ctggacaatg	agtctcatga	tctcccaacc	ctgcacctg	tgacctctcc	cctgcccaca	240
agagataacc	acctttaagt	gtaattttcc	actacctacc	caaatactat	aaagctgccc	300
caccctatc	tccctttgct	gactctttgt	ggactcagcc	cacttgcacc	caagtgaaat	360
aaacagcctt	gttgctctca	c				381

<210> 279
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 279						
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ctgtactggg	gtgaagagta	tcttccaaaa	attcacatct	accagaaca	tcanaatatg	120
aacttttttt	gaaatacggt	tttgcnatg	taatcanata	aaaatgagat	nataccanat	180
tagggtnggc	ccttatccaa	tgaatagtat	ccttcaaaaa	agacggaaac	ttggacatgc	240
acattccggg	ggaacctcca	tgtgatggtg	aactaaga	ctggagtgtg	gtgtctacaa	300
gccaaagaa	gccaaagatt	ccagcaggca	ccagaagcta	gtagagaggc	atggaacaga	360
ttgtccctcc	gaacctccag	aaggaacca	gcctgcagat	gccttaattt	cagacttctg	420
atgttcagaa	ctacaaaaga	ataaattcct	gttgctttt			459

<210> 280
<211> 281
<212> DNA
<213> Homo sapiens

<400> 280
tggggagctc ctgctttaag ttagaactnt gggacagnat gtcngtcnna canttttatc 60
ccgngtggaa tgcagtgggt tgatcctcct gcctcagcct cctaagtagc tgggactaca 120
gagacggggt ttcacatgt tgaccaggct ggtctagaac tcctgacctc aagcaatcca 180
cccacctcgg cctcccaaag tgctaggatt acaggcgtga gccacctcgt ctggccaata 240
aacagaactt acaattgatc tnaaaaaaaaa aaaggccggc g 281

<210> 281
<211> 252
<212> DNA
<213> Homo sapiens

<400> 281
gaagatgagg atactgacag agtaaaatca tggagaaaat ggaagaactg aatgcagaca 60
tgagaagtta aatcacagaa gaaaagttaa gcaggaactt gagagagggg tgaactgtga 120
caagttgtaa gaaggaagac caggactcac caggaaaata ataaattgtc cttgatcgta 180
caaaaagaatg tgtaaatgga attttcctaa taaatgtgag agaattgtcag cataaatatt 240
gatttttaaaa ac 252

<210> 282
<211> 380
<212> DNA
<213> Homo sapiens

<400> 282
atggagtctt gctctgttgc ccaggctgga gtgcagtggc acaatcttgg ctcaactgcaa 60
gctccgcctc ccagggttcat gtcattctcc tgcctcagcc tcccaagtag cgggggactac 120
aagcaccgcg caccacgccc ggctaatttt tgtactttta gtagagacag ggtttcactg 180
cgtaaccag atgggtctcga tctcctgaac ttgtgatctg cccacctcag cctcccaaag 240
tgctgggatt acaggcgtga gccactgcat ccggcccagt aatcttttaa accacactca 300
ttgnctaatt ttgctagcaa ttcaatataa actttatgct ttgaaaataa aattggattc 360
attttgaaag cttaaaaaag 380

<210> 283
<211> 120
<212> DNA
<213> Homo sapiens

<400> 283
gtcatctttg atctatcaga ttttaaggca tcatctgaca gcagatcttc aataagtatc 60
tgtggcatga aggaaaaggg aaaggaaaag ggaaaggaaa aaggaaagga agaaaggaag 120

<210> 284
<211> 317
<212> DNA
<213> Homo sapiens

<400> 284
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aagaaaaatt atccagacac ttgtaaaaat gcacagtgat ggacattgag gaagatattg 120
tatatttggt cactcaacac tcattccaac gctctcctag tttgccttc tatctactac 180
aggctggaag actgactcta gtggagcctg ctgtctgaaa ctccgaagtc tgaccaaaagc 240
agcaaccccc tctccattat ccctgttccc cctcctctca cgacataaac aaaagtgtaa 300
gcatggaaat cataatt 317

<210> 285
<211> 300

<212> DNA
<213> Homo sapiens

<400> 285
atgtaaagag ccatgaaaca gatgtgagag atgccctgac ttagaagccc cctcttcaca 60
ggtgccaaca tctcttgaac aactcagcag gcatgggttc aaagaccccc ccacacaaaa 120
tgcccgatta tgagtcaaca ccttcagga agcccaaagc attttcctta tctggagatc 180
ctctgtcagt caaatccac tattatgaat acagcaaac aatacagaag aatgagacc 240
attatgtaac agaaatagat gtcacagaga tcacacaata aagctcacgc aatttactcc 300

<210> 286
<211> 436
<212> DNA
<213> Homo sapiens

<400> 286
ctctgttgcc cagggttgag tgcagtgggt caatctcggc tctactacaac ttctgcctcc 60
cagggtccaag ctattctcct gcctcagctt cctgagtagc tgggattaca cgcacacacc 120
accatgcttg gccaatTTTT gtattttaaa agagggtggg ttttatcaca ttggccaggc 180
tggtctcaaa ctctgacct caagtgatcc acctgcctcg cctcccaaa gtgctgggat 240
tacagggtgtg agccaccggg cctggccaag agttacttac atttttaaat gacacattat 300
ggcattttat gggagaaatt cttctgctgt cggcaatatt cgatttgagg atttgaccag 360
gtctctggac atctccacac gtgtcaatgg gctaagggtc tttaaataaa caaggttatc 420
tgcataagtc cacaat 436

<210> 287
<211> 388
<212> DNA
<213> Homo sapiens

<400> 287
attggcgtgc ttaaagggtt gaccatctga tgtacaggaa atggaaacta ctctctgaaa 60
agcaagtgat ctcccagccg caccatttta ggagaccagg attttatttt gatccacagg 120
agactaaatg agttagaggc cactcctgta tcaacagagt ttgttactta aatgacagta 180
ggcggttctg cagaaggaac accaaatagt ctgactatct accaagaaga gagtgtttga 240
acacatgtgc aacctcttga ctgtgggtgt tggggcagca ttttaataaga aagagctaaa 300
tctgcttgat gtgggaatat attcaacaca tgtttaagtc taaaatatc aaagtaaata 360
aatgtctatg tactccatat tgttaaag 388

<210> 288
<211> 324
<212> DNA
<213> Homo sapiens

<400> 288
cggctgaatc acttgagctc aggagttcaa gaccggcctg gccaacatgg cgaaaaccca 60
tctctacaaa aaatacaaaa attagctgca cgtgatgggt cacacctatg gtccccgcta 120
cttgggaggc tgaagtggaa ggattgcttg agcttgggag gcggagggtg cagtgaacca 180
agatcatgcc actgcacgcc agcctgggtg acagaggcag accctgtctc taaacaacaa 240
aaaaccccac tgaattgtat acgttaaaag gactttacat cacgtgaatt acatctcaat 300
gaaaaataaa atactgaatg aacg 324

<210> 289
<211> 565
<212> DNA
<213> Homo sapiens

<400> 289
gtggaaagag aatagcttgt gagagtgtat gagtggaaatg aagtgggtcag atgagagagc 60
gcggcgagga tggagagaag cggagaactt gatgcatatt ttggaggcaa aatcaacaag 120
attggctgat ggattaaaag cagaanattt tgccatanag aaatctcttg cttttcaatc 180
tctccaattt gggaaccaac caaccaacca gtctaccaac cagccaacga accaactact 240

caaccgggtca	actgactcct	cccgagagaca	aagattggag	aattgcttga	atctgggtaca	300
aagactaaag	caaagtaata	ctgtatcatg	cacagacctc	aactctgtga	agacagtccc	360
tcatgtctgta	ggaagtcagc	cttgaatatc	taggcttagg	ggaggctgag	aaaggtcacc	420
actggagaag	taagcgggtg	gggcagggtca	ggatccaggg	ctctcaattc	ttatggagag	480
atcttgcttt	tttaaaacat	canacctgct	ggtgntgcac	tcagttttct	ttcttataaa	540
aatcaactct	ttttgagatg	tactg				565

<210> 290
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 290						
canattgcng	cncnnnggna	aaanaaacag	ccatgttgct	cacacaaagc	ctgttttggtg	60
gtctnttccc	acggacacgc	gagacaatga	ggagatacaa	ggtctcgtg	ttctacctag	120
gctgttctag	aactccta	gtcaagctat	cctcctgcct	nggcctccca	tgctgttggg	180
attacagcta	taaattcata	caattatcag	agtttggttt	tggtcaagtc	ataattgtga	240
gtgaagaacc	atggaaggag	aacatttctt	gctcatcaac	tactttcata	aaatcaacaa	300
tttgcttaag	taaagtcttc	aaaataaata	ctgattttta	tga		343

<210> 291
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 291						
ggttttgctc	tgtcacctgg	gctggagtgc	tttcgtgcag	tctcagctca	ctgcagcctt	60
gtcctcccca	gctcaagcaa	ttctcctgcc	tgagcttccc	aaatggctgg	gactacaggg	120
cttatgtctg	ggatcctcac	agagactaga	agtgtctccc	atccccatcg	cagtccctgg	180
cacttccctg	attgtccagc	ggctccctgc	ctctgccctt	ttgtattcgg	agctacagcc	240
ttgcctcccc	tgttcccacc	accctgacca	cccctcaaca	ccatcccgtg	gtcagctccg	300
ccgccaactg	aggcgacacc	tgttcatgga	aaccctgtga	gcctcttctg	tatccataca	360
caataggtaa	tgntgnttta	cgtgtttcaa	aacattaatg	gtg		403

<210> 292
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 292						
cccagcccca	cgtaaacaag	cccagctgtc	ctgctagaga	ggttctgggg	tgaggctgcg	60
aggagaagtc	ccttgatttg	aagccttaag	agtgaccctg	agcnagaacc	acccagttaa	120
gctgtgtctc	cattcctgag	ccacagaaac	tatgagatga	taaatgttta	ttgctctaag	180
ttgct						185

<210> 293
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 293						
agacaaggctc	tactctgac	acccaggctg	gagtgcagtg	gtgtgttcat	agctcactat	60
aacctcgaca	gtgagatcct	gagctcgagt	gatcgtctcc	cctcagcctc	ccaaagtgat	120
ggaattatag	gcgtgagcta	ctgtaccggg	ccactgttgc	tgttttgaaa	gggagccctc	180
ctctccccta	ccacattcta	tattaagaaa	ttccaaatta	aatgaagaga	t	231

<210> 294
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 294

09428674-102799

gtgaggacac	agcaatcctc	cagaggatgc	agcaacaaga	caccatcttg	gaagcagngc	60
agccctcacc	agacaccaa	tcggccagcc	cattgatctt	agacttccca	gcctccagaa	120
ctatgaaaaa	taaatttctt	ttgtttataa	atc			153

<210> 295
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 295						
ccacggaact	gggattcctg	aaaatcaa	acagaactca	tcataccatt	ggttgaatta	60
caatgttcta	ctttaattgg	gcacttacaa	agtaattctt	caatcagtgt	ctctaattgtc	120
tcaactgctt	ccaacaaatc	tacgaagaca	gaacaaaaga	tgcaacttac	agaaacacag	180
aaaattaaga	ctgtcagagg	acatagtgtc	tgattcggag	gtgggtggga	gagagatttt	240
cactgaatag	cagaataatg	gaagattatg	ataaaaaata	ttaatggtc		289

<210> 296
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 296						
gcatgtgaca	atgcaatgag	aagntggcng	nctgnnnntc	acaagagggt	cctnaccata	60
acctgaccat	gctggcacct	tgattcccag	cctctataac	tnnaagctgg	gcaactacca	120
tntncagaag	tgtaagaatc	aaatttntga	tgtgtataag	ccatgcagnc	tatgatactt	180
natgatagta	nccagantct	actatnatac	agggnctat	acatatttta	tgcttcntag	240
tnntcatctg	taaaataaaa	agtttgaaaa	caagg			275

<210> 297
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 297						
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cttctctggc	cctaagatca	ggtgatcttc	ccacctcagc	ctcacaagta	gctgggacta	120
cagacaccca	ccaccacacc	ttgactaatt	tttttatctt	tattttttgt	aaccgggtctc	180
aaactcctgg	cctcaagcca	tcctcccacc	tccacctccc	aaagcgctga	gattacaggc	240
atgagccact	gcgccaatc	tagaccctaa	taatgaataa	aacattaaaa	tt	292

<210> 298
 <211> 577
 <212> DNA
 <213> Homo sapiens

<400> 298						
acggagtctt	gctcttattg	tccaggctgg	agtgcaatgg	cgtgatctcg	gctcaccaca	60
ccctctgcct	cctgggttca	agcaattctt	ctgcctcagc	ctcccaagta	gctgagatta	120
caggcatgca	ccaccacact	tggttaattt	tgtattttta	ggagagatgg	gtttctccat	180
gctggtcagg	ctggtcttga	actcctgacc	tcagggtgatc	caccacctc	ggcctcccag	240
agtgctggga	ttacagggtg	gagccaccac	gccaggcctt	ttttttaatt	ttagtaagaa	300
agagggtctc	ctatattgcc	cagggtggcc	tcaaactcct	gggcttaaan	aagtcctcct	360
gcctcaacct	ctcacaatgc	tgggatcgca	ggtatgaaca	accacacca	accnggtan	420
gggtattatt	atcatcatca	acaatgggat	tctttgggtc	tcttaacca	actgaatgcc	480
cgnacctctt	ttcacaaatg	cttttccttt	ctggantggc	ctttggcttt	gttngnatte	540
atgtttcaca	tcantaaaag	ccccctctca	ggatgcc			577

<210> 299
 <211> 148
 <212> DNA
 <213> Homo sapiens

09428674-102799

<400> 299
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 agccctcacc agacacccaaa tcggccagcc cattgatctt agacttccca gcctccagaa 120
 ctatgaaaaa taaatttctt ttgtttac 148

<210> 300
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 300
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 ctttaccact taatagctgc acacttcctg cagttcctcc cacttatctg agtctcagat 120
 gctccccgtt aagatgggtc caatagctac cactgcattt acctcgaagg agtaaagtga 180
 gattaactaa gcgcctgatg tgaagaactg tgcctgcagc ctttgaagga agccaggctt 240
 tcgaggatgt gtgaggcctg ggggaattcat ttgtttcaaa taaccatcaa tgagattcca 300
 gatttcctgc ccagagttaa aatcgggtgtt gaaaaccc 338

<210> 301
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 301
 tggggagctc ctgcattaag tgagganctg anattatntg tatgcacatt ncatccggnt 60
 ctcanatata gnnacttggt caccacagta naggactcan aaatacccat ggcnaacnac 120
 tggagatcct cactgnctca ngggcnnagc tggtttgaac acggtcttct cattgnttna 180
 ctgcccgcga ttnaccctca aggtccattc tgtgccaaagg cattgcatgt tctcaaggca 240
 atgaccctgg agaatgaata gccatgngtg gcagtataag tgcttggaag gtgacttagc 300
 ccatttgaac aataaaactg tcttttaaac aggt 334

<210> 302
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 302
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 annaaatcna gccccaccca nttgaagtca ctgatgtaac tcagcaacce acttggnctc 120
 caatcctgga aggatacana catgttcatg angcttcngg cgcataatgtg acanaacttt 180
 ccatgaaacc aactggccat gantcnaagg actccttcac agagacaaat ccatctcctt 240
 caaataccna nattctattg gtgnnggaaa ggcaacgatt tgaaaaactg gagcatttta 300
 cctaaaggga ttttaaaaaa tcccaccatt gctttatcac aacttggggg attattantg 360
 gatttcctc cctcttgctc ccanaaggng gactttggag aaaaagagag tttggggagct 420
 aagaataaac cgcatttctt gcataatgt 448

<210> 303
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 303
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 cgcctgcctt ggcctctcaa agtgctggga ttacaggcgt gagccaccgt gcctggccct 120
 agcaagtcac ataatttata gagggtaact ctgtcgattt taaacttcgc gtagtctgac 180
 ccattcattc atccaataaa cacgtattca gcacct 216

<210> 304
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 304
catgtgagaa cacagtgaga aggtggccat ctacaagcca agaagagagc cttcaccaga 60
aatggaattg gctggcatct taagtttgga cttcccagcc ttcaaagctg tgagaaaata 120
aatgttggtt aagcccttgg ngaaaaagac aaannaaact gcttttcaaa aaactnanna 180
anaanttgga cggngncggg ggnncnctnt gtgnncttcc nacacnncgg gnnttttttt 240
naaangggggg gggccccc 260

<210> 305
<211> 520
<212> DNA
<213> Homo sapiens

<400> 305
gctcagctca tcatgaagaa tgtccatgtg actttgggta ataaaataat agatccagtg 60
gactgtagtc tgtttaactg agacctcaca cataatgtca tgggtgacag ttactgggtg 120
aaggaaatcc atgttgggct tctgtggatg ctggattctt tccttctgag aagaaatata 180
acacactgac tttgaggtga tgggtggagaa aaagtacaag cagaagactt ttcncaactt 240
ctccataggc tggagtgcag ttgcatgaac atggctcaca gcagcctcaa cttcctgggc 300
tcaagcaatc ctctgcctc accctccata gtaagctggg accataggca ggtgtcacca 360
caccaggtt ctgtaactgg agactgccaa tgaaactgcc aaaaggcaga ttaaccagga 420
gaaaagacat acagacttca tctgatggtn acaggttaat ttttacctgc atggaggcct 480
tcatagaaaa agaagtgaan gccctaaaga agtgatttta 520

<210> 306
<211> 393
<212> DNA
<213> Homo sapiens

<400> 306
nnactgncgc actacagctc acgactgcng ccagcatact gacaatgacg cagcccggac 60
ctgggctgtc tctaccaca ggacctctt gtggccctc ctggacacac ccatgttctt 120
cccagatcac ccctcgtgga cccccacaa ccactgaact attctccaca gctacacttt 180
tgccatttca agaattgtat gtaaatggaa tcatacagta accttttgga attggctttt 240
ttcactcagc ataattctct ggagagttca tccaggttgt cacaggatc aatagttcat 300
ggtgcggacg tacaatttaa cgtttcaccc accaaaagac attgggggtc tttccagttt 360
ttgactgcga caaataaacg aatataaaca ttc 393

<210> 307
<211> 304
<212> DNA
<213> Homo sapiens

<400> 307
gacttctcta tcaggcagca cccaccagag agcagttctg aaactgagac taccagatca 60
gaaacaaaca agcaaacaaa aaaagaccca taggagctgg gagtgcccat ccaagtacat 120
ccacatcatc cagtaaaaga aacagaacct tgaagtcaaa cagactgggt agcacacacc 180
tcctccgttt gctagtgtg tgactaaggg cagtttctta actactctgt gcctcctctg 240
taaatacaaa tgtgctaata atcccacctc gctggatcat ttcaaaataa aatgcataac 300
attg 304

<210> 308
<211> 365
<212> DNA
<213> Homo sapiens

<400> 308
gcctatccag taacagagtc tactgcatca tattaactga taaacccagg atgacaagag 60
aaacatggga ctactcttc atttgcatgt actccagcta agagcttcag ttttcatgct 120
ttgcttcaaa attattgggt agccctgtgc taatttccat ctcatcctag aagtcagtta 180
ttttataagc atgtaattgc ttataaaaaat aagctgggaa ggaagaacat tttggaagag 240
ggaggcatat gcctgaaaga agaaggggat gggaatacag tcagttgcta ttttgccca 300
naaatatgtc aggcaaacat gtaggnattg natttccttg attgncttaa ttattggaga 360

aagac

365

<210> 309
<211> 298
<212> DNA
<213> Homo sapiens

<400> 309

tgggactcct	gcttagtcga	actgagccca	gtgccgtggc	tcatgcctgt	atccagcctt	60
ttggangccg	ggcaggcnga	tcacganatc	angaaatcaa	gancatnctg	gccaacgcaa	120
tgaaaccccg	tctttaccaa	aaatacaaaa	aaattaacca	ggcgtggtgg	cggg'gccta	180
tagtcccacc	tactggggaa	gcttaggcag	gaaaattgct	tgaacctggg	aggcagaaat	240
tacactgcct	gagattgcat	nactgcctnc	acctgggcaa	caagacaaga	ctccgtct	298

<210> 310
<211> 459
<212> DNA
<213> Homo sapiens

<400> 310

gtcaccaggt	atgcccctgg	gctcctgccg	cagctgatcg	gggtgctagg	gctgaggata	60
caccgtcttg	gagaaagcaa	ttggaagaaa	tgcaaagctc	ttcaaaggag	acctataaag	120
tcatctttgt	ttgtttcatt	cttctcatgt	ttctgcattc	tgggcattct	cctaaattgg	180
ggagaaacca	aaatgcccag	aagtcaaatt	ctgcaactgt	catcaagcaa	aatgtcaa	240
gagagaacca	aagtatgctg	gattctatat	tgtaggaag	ggatggntaa	tttgattgac	300
tcttgggagc	tattttctcta	gcattaagta	attctaggga	acccttctgt	gatcatctct	360
gagtaaataa	agaaangaaa	ttgcaattca	aaaaaaaaagc	cagcgaggcc	anttcagctt	420
ggacttaacc	aggctgaact	tgctcaaaag	ggggggggg			459

<210> 311
<211> 585
<212> DNA
<213> Homo sapiens

<400> 311

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tcaggggtcc	tgccctggcc	cggctcactg	ctgatgttga	cctcgggtac	ctggcagagt	120
gtgctggcca	ggttttctcca	gcatgaagtc	actctcgttt	cccttggcga	tgctccttcc	180
atcaaaacca	gagtgtccca	gctctagatt	ccccacccaa	tctcctgtgg	ctgtctcaac	240
acctccgtcg	tgaatccgtg	catcccttca	gacgactgcc	ttccgatgcg	gccctgacct	300
gccccccctc	ccatcactga	ataggactcc	ttttctcctg	gatttctctg	aggaagtttc	360
aaaatgctct	ccaggntttc	tgnggggtga	ttatcctctg	gatctttcta	aagtgaagtc	420
ctggtttcac	cacaactccc	ccgacacagt	tgaacaactg	taccgngggg	aggcttggnc	480
ctcttgcccc	atttggggga	tgncattgna	atcatgccaa	gggccctgac	gtcanaactt	540
cacctgacat	gtgctcatgc	cgggttacia	accttccaag	acaag		585

<210> 312
<211> 117
<212> DNA
<213> Homo sapiens

<400> 312

catttgtcac	attgcaaaaag	acctcaacgc	acagctgact	ccagggtgga	aagaccaacg	60
acacgccgaa	attcatcctg	cactccagcc	tgggcaacaa	gagcgaaact	ctgtctc	117

<210> 313
<211> 132
<212> DNA
<213> Homo sapiens

<400> 313

agtttggctg	tgttgctcan	gctggagtgc	tgctgtgctg	tcatagccca	ctgaaacctt	60
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gatttcttag ccttaagtga tccccccacc ttggccttcc aaagcattgg gattacaagc 120
atgagccact gc 132

<210> 314
<211> 263
<212> DNA
<213> Homo sapiens

<400> 314
atgaaccatt tctggtgcag aaaaggctcc gatgctgctt ttatgaagga acataatgct 60
agcttggaga tcacacaatt gcagacctct ttctctcggg tgggaaatat actgaagaac 120
agaagacacc tgctctccct tcacctccca ccatgattgt aagcttcttg aggcctcact 180
ggaagaagct aagaagatgt tggcgccatg cttgtatagt ctgaagaacc atgagacaat 240
taaacctctt ttctttataa att 263

<210> 315
<211> 362
<212> DNA
<213> Homo sapiens

<400> 315
gtctgacctg tcagtggctc agctgagatt caaaccggga gccagcacgc tgacctagtt 60
cacctgtgcc cgacatcatg cacgacagcc ccaaattgtg agcaggccag gccggcacag 120
aaaccactgc gcacagatgg tctctcctcc ctgtcaccgt gacctccaac cctcccctc 180
agcgctccgc cccagagggg tgctgcatcg gaacttgccg gcacaggacc tggacagccg 240
cacttagcaa gctcttctc caccgcccag gtgactgtaa ggtggggagt ctgggaccat 300
gggggcaccc acctccagca aacacgccac aagcaccttg gaaaattcaa ttctgcctcc 360
ct 362

<210> 316
<211> 141
<212> DNA
<213> Homo sapiens

<400> 316
gttttttggg gattgaagaa gatgaagaca ttgcaactaa taatgacact gctactacgg 60
ttgtaggaag gaacgcacta aggaataact agaaacggat gaagaagatg atacagagcc 120
acgctgcagg actattttga t 141

<210> 317
<211> 508
<212> DNA
<213> Homo sapiens

<400> 317
atggagtcta ctctgtcacc caggctgacc tcgactcaca gcaacctctg cctccagggg 60
tcaagtgatt cttctgcctc agcctcccga gttagctggga ctacagggtg caggcctctg 120
agcccaagct aagccatcat atcccctgtg atctgcacct acacatccag atggctgaag 180
taagtgaaga tccacaaaag aagtgaaaat agccttaact gatggcattc caccattgtg 240
atgtgtttct gcctcaccct aactgatcaa tgtactttga aatctcccgc acccttaaga 300
aggttctttg taattctccc cacccttgag aatgtacttt gtgagatcac cctctgcccg 360
caaaacattg ctcttaactc caccgcctat ccaaaactat aagagctaata gataatccac 420
caccctttgc tgactctttt tcggactcan ccgcctgncc ccgggtaaaa taaaaagccn 480
tgtgtcacgc caaaaaaaaaa aagggccg 508

<210> 318
<211> 404
<212> DNA
<213> Homo sapiens

<400> 318
gtgggggtctt tcattggcgg cagagtctgg ggctggcatg gctgctgggc tgcttggtc 60

tgaggaccca	ccgtggagtt	ggaacctgac	ttgtcgggcg	ctgaggacct	gccaagtga	120
gaacattcga	gttctgcagc	tgctgtctaa	accatgggtgc	atctccagg	cccgctctatc	180
aggtgccatg	cgtgccatac	ggtgcgccac	gtgaagtga	ccgtaaacat	gattttaattc	240
aactttcaaa	gccacccgga	tgcagaaaagt	gcctatgtca	ccatcttgat	tattattgnc	300
accattttga	gatgagatta	ttgaaactca	nagaanggat	gnaagttggt	tcaaaagtca	360
cccanacaga	acctggtgat	ttcaaaccac	agttctcctg	gctg		404

<210> 319
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 319						
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cctgcatcca	gtggctgtca	aagggggagc	aattctgcag	gatcatccgg	gcccctgagc	120
tctctgtaga	acagctgaag	cgaccgcatg	gcctcaactt	ctccttccac	ccattcctgt	180
ttcctgccct	ccctgctcag	gggtaactcc	aagagcacc	tccagtaa	ctcttgc	237

<210> 320
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 320						
caacctatcc	aggataccat	gtttcattta	gttgatcatgt	ctcattgtta	ccagaaagtga	60
gtcccaactc	agactccaag	agagagtttt	tggacctcaa	gcgagaaaga	tttcagagca	120
agtccacaga	gtaaagtga	ggttctaaaa	cactatattt	tgggagtgca	gcaagggttg	180
gcggaatgga	actgaaataa	caagtgggtt	tgttatcc			218

<210> 321
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 321						
cttcttaaat	gctgcattga	aaggatgaaa	cagaacggat	gtgaacaaga	gttccctgag	60
aaaggacagc	tcttagagag	ataggataat	tactggactc	aagaagatac	caaactcatgg	120
tgtgcatttc	tgcgttgtgt	ttggaagagg	aactaggatt	gttatgaaaa	ggaaggatgt	180
gttcaactta	naagaattaa	acctcaacca	tctgtctctt	cccaac		226

<210> 322
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 322						
ctgaaagaaa	tataagaaat	acaacctaat	actgtaatga	agtgttcctg	aacaaaaata	60
cagataagct	gttttaaaat	attatcttta	tttgtatgct	catatcagga	taactccaac	120
taaggcaatt	tgtctaagta	gctcatttat	ttaaaaagaa	aagtaaaaat	agcaatg	177

<210> 323
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 323						
gccgcacttg	gtgagagtct	tcacggacca	cagtgttgca	cgagggtgatt	gtgtttgcag	60
aggttttttt	gtccttgaag	agcacttagg	gctggagagc	aggacacatg	ctgacgagca	120
gaagctgaca	ggcttgctgc	catgtgggaa	agtccttga	cgagttgtct	gcttgccgag	180
aggtgtctgc	ggctcaggta	tgaacaaaag	aaacatgctt	cacttctggg	cagaatcccc	240
aagagctacc	atgagtcct	ccgcttctct	tttctcccta	ccacaagact	gacatgactc	300
caagaggggac	tgctccttta	gcctgggtcc	ctagaatgaa	gattgatatg	cagaaaaact	360

tcagccagcc	tgcaatggac	ttgtgggggt	agcaataagc	ttttgttggt	ataagccact	420
gagagccagg	ggctgtatgt	tactgnngca	gaacttaact	gaagctgact	aacactggta	480
ctaacagaat	cattttcaaa	tg				502

<210> 324
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 324						
acaaatcata	acgaacagag	tccagtgagt	ccctctgtcg	caacaagttc	aggatcactc	60
aagcagtgga	gacggagttt	caccatgttg	gcaaggctag	tctcaaactc	ctgacttcaa	120
gtgattcgcc	cacctcggcc	tctcaaagtg	ctgggattac	aggcatgagc	caccgtgtcc	180
ggccccacta	cattcttaaa	gaagcaataa	attgaccttg	tttaaatac		229

<210> 325
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 325						
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aactcacgac	agggaggaag	aattgcgagt	acttgctact	gctgtgatgc	cgtggagtga	120
gcagaaaagat	caatgccaga	tctaaaagga	cttgaggctg	tgagttccat	ctcttggtct	180
ctctcaccct	cttgcccttc	actatggggg	gatacaagaa	tgccctcgac	agatgctagc	240
actttgatac	tggatttccc	accctccaaa	gctgaaaaat	aaatttcttt	cctttat	297

<210> 326
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 326						
gagcagaaat	gtgaacagct	ggaggccgga	aaagaaagga	cacaagcgga	gaagaaacac	60
cagaggaaaa	ataatccctt	agagggtaaa	gaacaaataa	ttgaataagg	gattaaaaaa	120
cacacaagga	gagatccctg	gtaattaccc	ttgacagcca	gtgtgaaaag	ggcccgggat	180
gggggctttg	tccctccctt	ctccgctcac	acctctcagc	cgcagtaggt	tctttcctgt	240
tgctcctgtc	ttgatttaga	ataagctcct	tttctctaaa	gc		282

<210> 327
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 327						
attccccctt	gctgacagt	tgtgccctgg	cgatggagca	gtgtccttgt	tgcagatttg	60
aaccactttc	acctcgtaaa	cagcagctgg	tgagaggaat	ggacttgac	attcattcgt	120
tttacaagt	aagaaactga	agcacagaga	aggaaggaat	gatttgtgca	ggaggtggta	180
tttgagatac	tcatcatttt	ctctcattac	ccacatttgt	ttctactcct	gtagtagttt	240
ggttaaaggc	aatagactcc	ttgttcctt				269

<210> 328
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 328						
ccgcagcgcc	tcccgtcctt	ccgacgtgga	ctcgtggctg	taatagcgca	gcaggaaggg	60
ccagacctcc	ccgcggattg	acacatcaat	accgccaaag	aaaatggcct	ggaggaagcg	120
gcaaaagtgt	gtgaggggat	naaatggggc	agctcaaaga	acccccaaat	cccc	174

<210> 329

09423674-102759

09423674.102799

<211> 405
<212> DNA
<213> Homo sapiens

<400> 329
agaaaataacc tggtaagccc taatggaaac catctgttag aaaaagaagg agacagaatc 60
gtggagctct gttgacttcc ctctgtttac cagcaaagag aagaggtgta gtaattctta 120
aaaaggaaga aagaagagag atcaaagtgg gagaaggaaa aataaaaaga aaaaggacta 180
agcactttct tctttcctct gagagactgc ggtgggtctc ccacctttcc ggagactcgt 240
cagcacctgc ctgggtggaca gcaccacatc tttaaattct aagggttctaa cccctttatt 300
cccaaattct ggagttcact aacaaagtgg ttttcattct ttaaaaaatg aaatgaaacc 360
aaagagggac acacagaggg cttccaaaat aaaatgctag atctt 405

<210> 330
<211> 434
<212> DNA
<213> Homo sapiens

<400> 330
gacagaagct ttttagtttg acatcactaa tcatcaagga aacacaaatc aaaatcacaa 60
tgagatatca ccttatacat gtgaggatgg ctattatcaa aaatacaaaa cacaagtgtt 120
ggcgaggatg tagagaaatt ggaacccgct gttggtggga acgcaaaatg gtacagccac 180
tatagaaaac aacttccacc ccaagaagtt gtgaatcaca cagtatttct gaaaaggcat 240
ccttgcccta tgcaaggctg ccaatagcca aaaggaggca tctgagggaa ggaaaaaaga 300
actgcaccat gcatgcatga agttggcaat ttgcaaaaaga aatctgaaac aacattgcag 360
gcagaaaaag caggaaagag gagatggtna gagacataaa tggggaattg ggggcaacag 420
gaaattcttg cccc 434

<210> 331
<211> 167
<212> DNA
<213> Homo sapiens

<400> 331
ggaccataca acataatctt tatagtctcc agcaacaggt atgccttccc ctctacactg 60
tgcttcttgg gggctaagga agaaactgag actgcatttc atccttcagg agtgagaagt 120
ttttgctcca gtcataaata cttgctgaat aaatgaatct tctattt 167

<210> 332
<211> 254
<212> DNA
<213> Homo sapiens

<400> 332
actgagatat ggttgaacat atacttagga cacgtaataa ctatggaact tcatcacaaa 60
cacagcactg aggacatggt ctgaatacag acaatatgga ggcctcaggc tcagaggatg 120
gcagagtctt cagatggatg gagggagctg cagtcactga accactgcag ggagagaagt 180
actcacagac caggaaacgt caacttggac tgttatgtga cagagtaata ataaacttct 240
atthttggtt gagt 254

<210> 333
<211> 422
<212> DNA
<213> Homo sapiens

<400> 333
gatcctgtgc actttattct tccctaccag cctcagaagc cacgtgctga agacagtga 60
gttctgtctg ggaagaagca tcgatcccta aatggctgca tggagcagag cagagatgtc 120
tgctcactaa gttgggttcga agctgaggag gaaaaaaatt aggtgctagg atgctggaga 180
gatcctcaga aacccctcta catgaatcat ttaagtagat gaagagctag attgcaataa 240
tcattgggag gagaagaaga ataaaacatg agattccatt cacatcccag aattaaaggt 300
aaaatgggta aaaagtgaca ttttcaaacc tggaatcaca ctggaacggt atttgcattc 360

tggtaggtaa caataaaat ttaactntna aaatanggcc cngggggggg gggtcatgcc 420
cg 422

<210> 334
<211> 327
<212> DNA
<213> Homo sapiens

<400> 334
ttgaagccca gtatttnana tccagctgga atcacagggg tttcttgttt ggccccctccc 60
tgaaaccctg gaagaatctg gagtcagcag aagtgtgcat gttgcaaaaa tcacagaatc 120
atgtaaggaa tgaaaggaaa gcccccttct tcaaccctga ctccaacaat cccactgctc 180
aaaggaaccc agataatacg taggaaatac atacctacgt gtttcttaca tatttagaaa 240
tatgtcaaca taagtcatta taaacataag tcattataat taagtcattt gtacttgaga 300
agtcctaatac tacatgggta caatgca 327

<210> 335
<211> 460
<212> DNA
<213> Homo sapiens

<400> 335
ggattttacc ggttcggcca tatcagggac acttgaaaat ttgcctacaa atatttgctc 60
gctttccagt gcagcccttg gaattaaaaa ggaaaattcc tgccctcaga taaagatagg 120
gtcttgctgt gttgcccagg ctgggtcttg actcctggca tcaagcaatt ctcccacctt 180
ggcctcccag agtgctgggg ttacaggcat gagccactgt gcctgggtcaa ctgtaacatt 240
tgattgcttg gggctgcctg aagcatttgg aggatgagag gagagcattt attttctttt 300
ggagagaaaat ctcaacagta tgggcatagc tggctccttt tatctctgct tttcatcgtc 360
tttggctaaa ctgccatgga gacctggccc cttctacett attttagaca ctttaaaaaa 420
cacgggcnch ctttggnan anattttaaa aaacccccac 460

<210> 336
<211> 305
<212> DNA
<213> Homo sapiens

<400> 336
gagttctgaa accacctcat acttgggaata gaagccatgt gaaaacaaag cccctgcac 60
actcctatct gcctggaatg ctgttggtgtg anggtgtaat gtttgaagct gtggctgcca 120
tcttggtgaca aaggggcact ccgtgttggtc aggatgagga cggcagagga agatgctggg 180
gaaagcctgg atctgcggac atctctgaac cactacgtcc tgggaccagc tatctgggct 240
tcctgttttg tgagataatt tcacgtattt atgataaaat tattaataatt tgggtatcct 300
gttat 305

<210> 337
<211> 174
<212> DNA
<213> Homo sapiens

<400> 337
gctagtcaag tgaagcagtg ggagtggaaa aggagcaaag aaatctgtaa ctggttggtga 60
ttccatgaac tttttgaaat ccccttggtat tggcttcctt ccctcttctg tcttacttct 120
ctactcccta caagtgtttt ctgggatcac ctccaataa actacttgca atct 174

<210> 338
<211> 98
<212> DNA
<213> Homo sapiens

<400> 338
tacgtccaaa ctgagggatg ntaccgggtc ggccatatca gggncacttg naaatttgcc 60
tacaaanatn tgctgtcttt ccagngcagc ccttgga 98

<210> 339
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 339
 aaacagaact ccagatttaa aaataaagga ctgtatttcc cagcatccct tgcagctagg 60
 tgtgggcatg caactaagtt caggctaatt tcttcctgaa agcatacaaa gaacctacaa 120
 ctgaggcctc ctgggaatat accaaggcac catccacccc ggggcctttg tacttgctgt 180
 tccctttgcc tggaagactc tttctccaga tatctgcagg gccccaccct caattcattc 240
 ctgtattagt ctgtttctac actgctaata aagatatacc agagactggg t 291

<210> 340
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 340
 atttctcatca ctgaatctcc actgaaaaaa acagggtttg gcacattggt aatttactga 60
 aaagntgang ccaggcgtgg ngntcacac ctgnnattcc ancactttga gaggccanga 120
 tgggaggact gcttgaggcc agaagtttga gagcagcctg gtcaacatag ncagacctca 180
 tctctaaaaa taaaaataaa gtanataaaa cataaaaaaa gaagaaacnn cnaanaaaaa 240
 angggcctcn gnggcctttt aacttgggat t 271

<210> 341
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 341
 tggggagatg tctgcgttct nctncttgag gagaanccgg gataaatgga cttgangcca 60
 cgaggagcca gtgagtgggt cctggaacac cgtatgatgc ccagaggagc ccagcagtca 120
 tgctctgaca gcagcatatg gtgcgcactg gaagaagggg aaaataaggc caggaaggca 180
 gactgggagc ttggattcga ggctgaagaa ctgccatcaa atgtttttga aagggtgtgaa 240
 ataatcaaaa ctgtactcca tgatgattaa agctggcata gtgtg 285

<210> 342
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 342
 atggcgcttc gctcttattg cccaggctgg agtacaatgg cagcatcttg gctcaccaca 60
 acctctgctt cctgggttcg agtgattctc ctgcctcagc ctcccaagta gctgggatta 120
 caggcatgtg ccaccaagcc cagctaattt ttgtattttt agtagagatg gggtttctcc 180
 atgttggtca ggctgggtct caactctcga cctcagggtga tctgcctgcc tcggcttccc 240
 aaagtgtctg gattacagat gtgagccact gcacctggcc aaaagtgaag tcttaattcc 300
 taattacttt gtctcctctt gttattaact tcttttcaact tcttgaattt actgnactaa 360
 ctgcacaaa agaaaaattt cttgattata taattcatgc 400

<210> 343
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 343
 atccattatt tgggcaggat tctgtangga aaactcatca ccacttnata tancatcagc 60
 catgcggctc anctganggc tgntggatcc acttntaaga tgactcactg ctgggctggct 120
 gttaatgctg ggntgaggcc ctggggcctt ggttngtctc cacattgncc tctccattan 180
 gcctggactt cctcacanaa tgggtggacga gnetctaagg gtaaacatcg caagagagaa 240
 aaccanacaa gagagcaaaa cttgcctttt gtgacctagc ctcagaaatc acatagtgtc 300
 tattaattga agcaagtccc aaagtccccc ctgggttcaa ggggaggaga tactgactac 360

actgtccttg atgggagggg ggtaaagatt ctggaagaaa aatgggacca, naaatgntgn 420
tgcacnnttt tggggaaagg gaatntaacc caaccgggt 459

<210> 344
<211> 423
<212> DNA
<213> Homo sapiens

<400> 344
attcattctc atagaagggc atcagaggaa gataaagaag gatcctcaat gtcagacatc 60
tgagcccaag ctaagccatc ataataccctg tgacgtgcac atatacatgc ccactccaa 120
ctaatacaatc gaccttgtga cattcctccc ctggacaatg aatctcatga tctcccaacc 180
ctgcaccttg tgaccctccc cctgcccaca agagataacc acctttaagt gtaattttcc 240
actacctacc caaatcctat aaagctgccc caccctatc tccctttgct gactctttgt 300
ggactcagcc cacttgcacc caagtgaat aaacaagcct tgttgctccc aaaaaaaaaa 360
aggccagngn ggccaattna gcttggactt aaccaggctg aacttgntna aaaggggggg 420
act 423

<210> 345
<211> 238
<212> DNA
<213> Homo sapiens

<400> 345
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gacatgggat gctgaagcga tacagaatgc cacctggaag ttcgttgaaa ccattgccga 120
ctaggtgtgg tggcttcgtg cctgtaatcc cagtactttg ggaggctgaa gcaggaggat 180
cactggagac caggagttca agaccagccc gggcaacata gtaagaccct gtctctac 238

<210> 346
<211> 151
<212> DNA
<213> Homo sapiens

<400> 346
aaaaaggtaa tatttaagcc tgaagtttaa actttctttg agatccactc tgaagattta 60
ttaatttctt ggggtttgtg ctgcattctg ccctggctc ccaccatgta tccatgaggc 120
atgcatgtta acaaacttct gtttgatttt c 151

<210> 347
<211> 423
<212> DNA
<213> Homo sapiens

<400> 347
gtggccatta ggggtgtcca gaaggctggg gaagcacaga caagggtaac tgcaaaccga 60
cagcacaatg ggatacctca gnatcccggc aggatggctg taactcaaac gacagcaaca 120
ccaatgcagt agacatgagg ttcatcacg ttggccaggc tggctcgaac ctccctgacct 180
caagtcatct gctgcctcg gcctcccaaa gtgctggaat tacaggcgtg agccaccgca 240
cccggcctgt ttctaccatt ctggaaaaca gtttggcact atactaaatg cctcagcagt 300
ttcacttttg gaaccttctt tgccctcacc cctgggaaat aacatttgcc aaaactcatt 360
gaactgtact cttaaaatgn ggacatttta ttatatgtna actataattc aataaaattg 420
gtt 423

<210> 348
<211> 456
<212> DNA
<213> Homo sapiens

<400> 348
gattatggat tatggatctc tggaataaaaa acatttagtg tcacagcaaaa agaagttttg 60
agtttatata caaattaagt aaaagactaa ttttggtttt gaaaaactcg ttctctaaac 120

ttttacagga	agtttaaaata	aattacatca	tgaacaaaac	tgcagtatgc	cagttcctat	180
cctcatgacc	tcacgattct	gcctgagctc	cacatcaatg	aaaggaaaat	cggataatga	240
agcacttagt	ctaatatctc	aatagcaacc	accaantagg	attacttttt	agaaaagaaa	300
aaaaaaccta	accttatatg	taaatgtatc	tagtgngcaa	atgacataat	gcttatatgn	360
atggaaatct	atctagnngg	ccaatgactt	aatggccngg	gnggggaaac	ngngggcgag	420
aagcccccac	tccnccctc	cnggttttgg	aaaaac			456

<210> 349
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 349						
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acatcagaga	gaactcaacg	gcctgacctg	gagaccagga	ggatgacatt	ctcattaggc	120
aagagatgct	ggaccttctg	cagtaatgag	aatgaaagt	caccactctg	ctctaaaagc	180
aggggctatt	tacccctgac	ctgacacact	tctcaaagct	ctcacaataa	aggcaccag	240
catccactt						249

<210> 350
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 350						
aatttgagaa	tctgatgatt	gcagctggaa	agactgcaga	gagcacctgg	gtcaaccttt	60
tcattttgca	taaagggaaa	tagggccaga	gaaagaaaag	ggactgtccc	aagatcgcac	120
agcaaccatt	ttgaccttca	acaagtactc	cctgactcca	agcaataagg	gtgaaaaaat	180
aaggaataaa	ttgtataaag	cacgt				205

<210> 351
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 351						
agtatggtgg	aaangatggn	acgcccactc	cangcctaac	ctntaggagg	actggcngtt	60
tntgctatgg	cctctggnan	ccatganctg	ccatgaaaaa	ngncaaacta	ctctgctgga	120
gacaccacc	tggagaagcc	ntggnattcc	atgganaggc	agacggaccc	agctgagctc	180
agtgttccag	ccatccccac	gaaagcacca	ggaacctgag	tgaaccatc	tcgatcctcc	240
agcatagcac	aatcacngc	tgaagatnac	tgagtgactc	tagnccgnag	ctccatggat	300
cactgaagga	tcaccntnt	gaaccctgcn	caaatttctg	actcacaaaa	ctgtnganca	360
tacaatgggt	ggtgggttagg	gggcagtttg	gtatnctntt	ncaattaatt	tgccggaaga	420
gnccccaann	aaaaaaataa	ggggggcccg	gcaagggc			458

<210> 352
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 352						
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tggctccttc	agggcctgac	aggggtgggtga	acccacagga	aacatcaggg	cagcctgggc	120
aagacaaagg	cagcttcact	ccacaactgt	ccagaatcaa	ggatccgggc	cgggcgtggt	180
ggctcacgcc	tgtaatccca	gcacttttga	aggccgaggc	aggcagatca	cgagatcggg	240
acaccgagac	tatcctgggt	aacacgggtga	aaccccgctc	ctact		285

<210> 353
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 353
gtggaaatgc atttccaaaa ccaccagctg gctagaactt tactggacct aaacatgaaa 60
gtgcagcaat tgaaaaagga gtatgaactg gaaattacat cagactccca aagcccaaaa 120
gatgatgctg cgaatccgga ataaagaaat gcacacgcaa gggctgggcg cgggtggctca 180
cgctgtaat ccagcactt tgggagggcg aggcgggcg atcaagacgt caggagattg 240
agaccatcct ggctaact gtggaaaccc tgcctctact aaaaaatata aaaaattaag 300
ccagacgtgg tggcaggcac ctgtagtccc tgctactcag ggagtcttga gggcagggag 360
aaatggcggtg gaaccccngg gagggcngga gcttgacgtg agcccgaat cgtggccact 420
ggtactccaa gccttggggc caacaaga 448

<210> 354
<211> 360
<212> DNA
<213> Homo sapiens

<400> 354
ctacaacagg gtgcctggcn cnaggagata ctcantaaaa ctctcatctg ctgtgtcatt 60
aaggggaaca cttaattggct cagcctgtga atcccagcac tttgggaggc cgaggcggan 120
ggatcacctg agcccaggag ttggagacca ncctgggcaa canattgaga ccctgtctca 180
acangagaag aagaagaaga aaaaggccag gcgccgtggc taatgtctgt aatcccagca 240
ctttgggagg ccaagaaggg agaactgctt gagggcagga gttcgagacc agcctgggtca 300
acatagcgag acaccccccc catctcaaaa ataaataaat caaaataaaa aataaagagg 360

<210> 355
<211> 387
<212> DNA
<213> Homo sapiens

<400> 355
ttcttcgtng actctggaat ggagctggaa gctgtcatcc tcagcacact aacgcaggaa 60
cagaaaaacca agcactgcat gttcccactt ataagtgaga gctgaacgag cagaacacat 120
ggacatatga aggggaacaa cacactctgg ggcctgtgag gtgcagggag agcatcaaga 180
agaacagcta atgggtgctg ggcttaatac ctgggtgatg ggttgatctg tgcggcaaac 240
caccatggca cacatttacc tatgtaacaa accttgacat cctgcacatg taccctggaa 300
cttaaaaaata aaagttgaca aaaagaaaac ataaaaaaag ggccaggggg gccaatnct 360
ttgnacttaa cctggctgaa cttgttc 387

<210> 356
<211> 418
<212> DNA
<213> Homo sapiens

<400> 356
gacgggnact ctctgngatg ccatnccagn nntnacntgc tacnggctgg ctacctnatc 60
tgtggagctc cagagaccan gaangataac nctcattgnc atagctactt gtcagcgcat 120
aagaaagtga ncacacaggt ggtaccaang accttcctt tctggttcca agataatggc 180
nggcaccnaa ggnctattcc tctaccctac tggnttatca ctgggctgaa gaancccaag 240
tagtgaatta ccactagga ccctggaaga ggaagtacaa cggttatcct cagttttccc 300
tggaatnngg aatgagctcc tgggttactg aaagtctact ttggtgcctt gaatttaacc 360
caatcccata tgtgataatt attttagcat atttgataat aaaagaattt aagaaggg 418

<210> 357
<211> 363
<212> DNA
<213> Homo sapiens

<400> 357
gtcaagctgg tctctggtgt ccatggggac acttcaggag aaaccgatta acattgagat 60
gtgtggaaac aggatcaata attttcagta actgaggaag attaccagaa gccaaaggcg 120
cctttaacag agactgtgca gctctgagcc caggactgtt aagcacttgg caggcaatgg 180
agaaagtcta attgtggctg acgatgagtc attttacact attgtcacac ctccctttatc 240
cacattccat tttaggaaca gtataacttt cccagccaga aattgtctaa tttaaaccct 300

gactcttacc tgtgtgaacc aaaatgactc anaaagtgc aataaaataa ccctgaggag 360
tcc 363

<210> 358
<211> 332
<212> DNA
<213> Homo sapiens

<400> 358
gttccaggag ttgcagaaat gccaccagga tctgcagaac acattgcaag acaaggagag 60
ctgggaggac tcagaccctg acctcatcca aaagtgaaaa accaatcctg ccaaagtga 120
tgtattttct ctccccaag gcagacttga gacccccagc ttcagggtgg cttctgcctg 180
acttccagag ctccagccag tgccttttgt ctgaaacctc catgtccagg acccttgggc 240
ggagaagaat ctgctggaca ctgcttgggg ctggaccctg agagcgctca catttgacac 300
cccagaaagc aaataaaaca gttgaaatat gt 332

<210> 359
<211> 394
<212> DNA
<213> Homo sapiens

<400> 359
tcacagcctg ggctcatcac gaaaggcagc cagcacttca acggactcac tgcctctacc 60
tttctccttg cttggatgaa gaatctgaat ctagaagccc accaaattca tctaacagta 120
gtgcaagcag atattgcttt ggaaaaatc tcagcagaga acactcctgg gatgtatttc 180
atcagtctga tacttccaac tctgccaggg aacaagctca ccaaaggctt ctcatcaaac 240
agctctgccc taaacaccct gggggattcc ccaacagtgt cttgcggggc taatgacact 300
catgttcctt ctcatgctta cctttctttg cctgacgtga gtgcaaaaac ctatcttaag 360
caagataatt gtaaaaatac caaaattaaa tgat 394

<210> 360
<211> 373
<212> DNA
<213> Homo sapiens

<400> 360
ctgattcctc ctctctccat actcccaagg cacctgaggt ctggctcttc aggctgtgtg 60
acgacagggg ctttaagag gcaatgaagg taaaatgagg tcatcaggat ggactccgat 120
ataaccgggtg tccttacaag aagagaagac aggacacgca cacaaagcaa gggtcagcca 180
tgtgaggaca gtgagaaggc ggccgctcgac acgccaagga gagaggcctg ggaagaaacc 240
aaccttacac cttgacatca gacttctggt ctccaaaact gtaggaaaat aaatttctct 300
tgtttaagtc aaaaaaaaag gccagcgagg ccaattcagc ttggacttan ccangctgaa 360
cttgctcaaa agg 373

<210> 361
<211> 431
<212> DNA
<213> Homo sapiens

<400> 361
gaggggcaca cttttcaggc ctagccctcg gcctggatga aggtgtggct gagcatccct 60
gttcctggaa cttggcatca gcatcactga catcggaagc acacggaccc cctcccactt 120
cgacaagcat caaaccctc tcttctcctt gctctggcca ggtcagactg gagccaactg 180
tgctgcagct cctgtggaag ccttggcagg gaggtgaggg ggagcaccag ttacaagcaa 240
aggctccgag tgcaaagagc cttcgcttat gattcaggaa tctctgggca agttacctaa 300
ggtatctgag ccagcagttc gtcactctgt gaatggggag aatggcaaca cttctcataa 360
gggttgaagt aagggaataa aatgatataa tgngnattaa acccttaaaa aaagggctgg 420
ctggcatata a 431

<210> 362
<211> 253
<212> DNA

09428674-102799

<213> Homo sapiens

<400> 362

gtatttttca	gaccctgcat	tctgttggat	ctgctgatgc	caccagact	gataaactgg	60
ttcatctgac	cttgtggccc	cccgacccag	gaactgaact	cagcacaaga	agacaggctt	120
caactccctg	tgatttcac	cacgacctaa	ccaatcagta	ctctccactc	cctagcccca	180
ctgctcccca	aattatcctt	taaattttgg	gggaggctgc	tttgaataat	gataaactcc	240
tgctcttctg	ctt					253

<210> 363

<211> 403

<212> DNA

<213> Homo sapiens

<400> 363

atcctgcctc	ccacagtcac	cctgctccca	agtgcacact	ctgtctgacc	ctgcatgggtg	60
tgcggtgccc	tcttgctca	gcctcccggg	tagctgggac	tgcgggctg	cgccaccaca	120
cccggtcaat	tttttctatt	ttttttttt	tttttggggg	naaanggggt	ttaacnattt	180
nggcnnaggn	ggtntnnaac	tccnntntg	ggggccnacc	cgcntggggc	tccnaggggg	240
ntnaaattgn	aggggggggc	naaccnccct	ggcccaaan	aaattttttt	ttgggttaaaa	300
ntttttgggn	nnggattgcc	ccctaaaatg	ttccccaatt	gggncttatt	nttttaaagg	360
aaagncccaa	agggnacttt	atttttagnn	taggaaaaaa	aac		403

<210> 364

<211> 132

<212> DNA

<213> Homo sapiens

<400> 364

gcatccaggt	atacacacia	gctgcatcgt	gtcactgcaa	gcggctccca	gagttgttcc	60
tgttcatcca	ggaagaaaga	aaatcccggc	aaagattgag	agagatcaat	aaatgtattt	120
ccaaagaacc	tg					132

<210> 365

<211> 435

<212> DNA

<213> Homo sapiens

<400> 365

tagtaaaang	gggcctgctt	ccccgtcacc	ttccgccaca	atcggttaagt	ttcctggggc	60
ctccccagaa	gctgctatgc	ttcctataca	gtctgcagaa	ctgatgacat	ggcatgaagg	120
ccctcaacag	atggcagcac	ctttaataat	gaacttccca	gcatccagaa	ctatgagaaa	180
tcaattttatt	ttcttataaa	ctacacaatc	tgtggtattg	ttatggcagc	acaaaatcag	240
actaggacag	aagaattctc	caacgaaccc	attcaggact	ggtgctttct	gttttgaaaa	300
gttcatattt	ctttattttt	gnataaataa	taccattttc	aagttataat	gntcattata	360
atgncatata	cactagaaaa	tttaaaaaa	ctgccatact	gaggggtttta	aagaaaacaa	420
catggactag	cattt					435

<210> 366

<211> 330

<212> DNA

<213> Homo sapiens

<400> 366

gaagaatatc	naggagccct	taaaacactt	ngatnaacna	tacnagggtta	tgccganagna	60
ccctcatttt	ttanncaaga	ttgcaaagaa	aattcatttc	agttctacat	ttgggtgcaa	120
gcgttggttag	ttgcagataa	ataagataga	atccagctct	taagaaattc	aatctagtgg	180
aaaaaaacat	aaatattttg	agttaatttt	ttaggcgtca	ggcactgtgc	taagtactct	240
cattgggtgac	cttgattttt	accctcttaa	tctccatgtg	ctcccccttc	ccaaatacac	300
tccaagtaaa	tataaaatct	tagtgaaaac				330

<210> 367

<211> 351
<212> DNA
<213> Homo sapiens

<400> 367
gcttaattttt tcctgatcat gagagaagaa cacagatgta gctgaactaa ggagcaaaaa 60
cccggcatca atacctgcta cagcacagat gcagcatgaa aaattatgct aagtgaata 120
agccagtccc agcagacaac ttgcttttta tttcagaggc ttataggcaa atctatacaa 180
agaagggtggg tggttcccta gggctgaggg aggaaggga aactagtga gatggctaaa 240
tgatgtgggg gtttgttttt aggggtgatga aaatgttcta aaattaattg taatgatgac 300
ggcataactc tcgaaaatac taaagttaat gaattctata ctttaaatga g 351

<210> 368
<211> 271
<212> DNA
<213> Homo sapiens

<400> 368
ctccagctgc atctgatgtc actgctatgg cagtgaagaa tgaaaaccaa aggacaactg 60
gctacttaag gaattaagcg gactaaaatg aaaaccattc acagaagcag ttccagtact 120
ctggctgaga ctctgttttc ctacatacag cccacattct gaataactc aaatctacgc 180
aatttcaaac ttagaaaact ttaactgctg cccactgaa gccattttca agctggaatc 240
atgtataata aactactcca tctatttcac c 271

<210> 369
<211> 303
<212> DNA
<213> Homo sapiens

<400> 369
ctccacctgc cgagttcacg ccattctcct gcttcagccc ctcgagtagc tgggactaca 60
ggcgcccgcc accacaccg gctaattttt ttgtattttt agtagagatg gggtttcacc 120
atgttagccg ggatgggtctc gatctcctga cctcgtgatc tgccctgcctc ggccctcccaa 180
agtgtgggga ttacaggcgt gagccaccac gcccgccgc tcttttctta aatatctggt 240
ggaggcctca aaatcaaaat gtctaaaaca gaactcatca tcaataaagc cattcgtcca 300
ttt 303

<210> 370
<211> 185
<212> DNA
<213> Homo sapiens

<400> 370
tttgtattca agacagaaag gaacacctac ccaggagctc aatcacattg catgcacaga 60
caccgacaac cacacagacg tgtgaacaca tcccccaac gtgagcaacc gcagcataat 120
gggactcatc ccatccaaat acccatttca tctaaagtgt aaaaataata aaaagaactt 180
cttgg 185

<210> 371
<211> 294
<212> DNA
<213> Homo sapiens

<400> 371
gcaaaacatt ctctgcaatg tgggggtgagt ggcaatgaga acacctcaga agacactggg 60
tagctttttc aaactcttcc ctccacattg agattcagat ctgagaagta ctgggggaag 120
agggttgaga cttgtggatt ataaatcaaa aaaacctgag gttctgctgc agcccttctc 180
accaccacgc cgcacctccc taccttgaga atcgctttct gtctgttttg atgagaacac 240
tactttcgcc ccaataatc catcactactg ctattaaaag tcaagttcca aacc 294

<210> 372
<211> 512

<212> DNA
<213> Homo sapiens

<400> 372
aaaacctgtg gctggctctgg gtattgtcat ggctcctcat ctcttctgga agcacacaat 60
gagagacgga gtctcattct gtcgcccagg ctggagtga gtggcgtgat cctggctcgc 120
tgcaagctcc gcctcccggg ttcaagccat tctcctgctt cagcctcccg agtagatggg 180
actacaggcg cctaccatca cgcgccgcta attttttgta ttctgtttag taaagacggg 240
gtttcaccgt gttggccagg atgggtctga tctcctgacc ttcttgtgat ctgcccgcct 300
cggcctncca aggtgctggg attacaggca tgagccaccg cgcccagcca tatttttaaa 360
ttatctaaag aatgtaatta gattgtttat aatttaaagg atgaatgttt gaggagatga 420
ataccccatt ctccatgatg ngcttatttc ataantcatg cctgtatcaa aacatctcat 480
gtaccccata aatatataca caaaaacttt at 512

<210> 373
<211> 231
<212> DNA
<213> Homo sapiens

<400> 373
aganggtntc tnacgatgnt gccacactg gccttgaact cttggggetca ancgancctc 60
cngcctnngc ctccaagta cncatagacta naggnaang ncgctgntna ntgatgcact 120
tttaatccca atttttagga gctctgtgna atgtnttcaa gcattttcca ttttttaatg 180
atttaagtat ttgagcactt tgagctaatt aaatttgaaa ttgtttaaaa t 231

<210> 374
<211> 262
<212> DNA
<213> Homo sapiens

<400> 374
accaagactg aaattggcct gcagatcaaa gaccatggca aaaaattcct gacattggaa 60
actgccttcc aaaacatccc tgtgcctcat ccctttctac acattccata taaagagatt 120
gtttcatttt ccacctggca acgcttaaatt tgttttattt ttcttcatta aaaccaccac 180
gcctcttcat tcaaaaaaaa aaaggncagn gnggccaaatt cagctnggac ttaaccaggc 240
ngaacttgnt caaaaggggg gg 262

<210> 375
<211> 638
<212> DNA
<213> Homo sapiens

<400> 375
cctcgcggtg tggaggggaa aaaactcttc gcgggtcttt cccagtgggg gaatccgaac 60
gggtattcga ataaagcttt tgaatgaagc ccgccacaat ggggaatcgg gccatttga 120
aacaagaat gggaattggc acgccaaggg ttcttcccgg cccggctttg ggggtgggaag 180
aaggcttatt ccggcttatt gactgggggc acaacaagac aaatcgggct tgctcttgaa 240
tgcccgcccg tggttccggg ctgttcaaag ccgcaagggg ggccgccccg gttctttttt 300
gtcaaagaac ccgaccttg tcccgggtgg ccctgaaatg aaactggcag ggaccgaagg 360
gcagccgccc ggctatccgt ggggcttggg cccaccgnac ggggcccgtt cctttgcgca 420
agcttgtggc ctgcagcttt gtccacttgg aagccgggga aaaggggact tggcttgctt 480
attttggggc cgaaagtngc cccggggcca agggatcttc cttgggcatt ttnaaccttt 540
ggttcttngc cgagaaaaag gaatncccat tatngggntt gaaggccaaa tgggcggggg 600
ggttgggaana accccttttg aanccgggtt tacccttg 638

<210> 376
<211> 432
<212> DNA
<213> Homo sapiens

<400> 376
gaggaagaga agggcagggg gcaagagtaa aggcctttgga gctcagcaag actggggtga 60

atctcagcct	cattgtttac	ttgatgtgta	aaagcagggc	ctcactctgt	cacccaggct	120
ggagtgaagt	ggtatgatca	cggctccctg	taaccttgaa	ctgcttgggc	tcaagcagtc	180
ctcctgcctc	agcctcccaa	gtagctagga	ccacagcaac	tgaagcctcc	tgccaacagc	240
catgtaagta	agccatcttg	ggagcaaaac	tatctgggtc	tcttcagacc	ttcagatgac	300
tgcagcctca	gactgacatc	taactgcaac	ctcatgagag	accctgagag	ccaaatctac	360
ctttctgagc	aactatcaaa	cttctgaccc	acggaaactg	tgagataata	aatatttttt	420
gtttaaacca	tg					432

<210> 377
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 377						
aatgcggagt	gcccccgaaa	agtgcctccc	aaaatgtctc	aggtcagagc	tgcaacctgc	60
gcaacaacgg	ctaagatgag	gaaaaccaag	acacagaaaag	aaaaccattt	tgcataactg	120
acgaacctgg	atgagttcat	caccaaactc	caagaaccct	ccgctaggtc	tctgcctagt	180
gtccatgaac	cagcagcacc	ctcattacct	gggagctgaa	cagaaatgca	gaatcctgca	240
cccaccccag	acctaactca	tcacactccg	tttcaacaag	atctccaggt	catacgtacg	300
tacagtacag	tttggaagc	attgctctag	gacagaaaga	gtttctcaaa	attattagat	360
gaatgatctt	attagaccca	tgctctaaat	aaatgtaaag	ataatttttg		410

<210> 378
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 378						
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anaaaaaaga	tncaaaatac	attccgagga	gcanatcttt	ctgtggtaac	actgcattcc	120
anatgtgcga	aaaagacagg	gaaanacatg	aactgcanta	cattacggct	aaagggagnn	180
ngcttattaa	cttcc					195

<210> 379
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 379						
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atatgagtca	atccatcaga	cagactgggtg	gcagncaccc	agccttcaca	gctaccaccc	120
ccatgctggc	aaatgtcaca	tttggaattc	atttgcatag	ctgggtagca	ctccctgcgg	180
agttacattg	aacaattttg	cagctgtgac	agcttgaat	agaaaagcta	atgcaactat	240
c						241

<210> 380
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 380						
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gcaaagttac	ttgtggataa	acaaagcatt	angaaatgga	ctctcatntc	tctcaaaaag	120
tatcaaagaa	gtgaaattca	tcagaccact	gtgtcnagac	aatgagacgc	cnnatgccag	180
attccttant	tgncatgatt	gcttccttan	ccctccctag	ttcctgtttt	cctgctcata	240
agttacattt	cttccttgct	atataatccc	ctaatttcgg	ctggttgagg	agatggnatc	300
caaactgatn	tcccatatcc	ttagctgtag	catgcaatta	aagccttctt	ccttggc	357

<210> 381
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 381
 atatgctgct tggcaacnat tatatcacac atcacatacg tctggatcaa gtgttacttt 60
 gcaaatattc agctatggca ttaaagatcc tttcaagaac ctttttgaat ggcttctcta 120
 ggtgacacag caaatggatt cctaagtatg catccattct cccgggtaaa ccacgagtct 180
 caaaaagtag gcagcaggct ggacccgggtg gcacacgcat ggaatcccag cgctttggga 240
 ggccggggca ggaagttgct tgaggccagg agtgcaaaac caacatggcg agactctgtc 300
 tgtataagaa ataaaataaa ttatccagg 329

<210> 382
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 382
 atgtggacaa cgaacaaaga caatagagca gaagtgttgg caacacttca gtatgagcag 60
 actggtggac agtgagagat tacagaagaa cacagctctg ggccagcagt gctgctgtcg 120
 aggtgatccc agcaggcagt gccacccacc aggaatcata aactgcacaa ggccagaggt 180
 gagtccttct gtaaatacat agccctagct ccaagcattt aattgtcaca aaaacaacaa 240
 aaaatactcc tattaacagt gcaatttctc ttccaagggt ctacatcgag agaaagaata 300
 ttaggatgct aatattgcat tgggtcattg gagcttaatg tttagaaata ataaactaaa 360
 ctgttttgtg gtctgaccaa aaaaaaaaaag gccagnngg ccaattcagn ttggacttaa 420
 ccaggctgaa cttgcttaaa agg 443

<210> 383
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 383
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 gctgcaccat gtcaactggg acccaggttt catccatggt tctgctctgt cattatgtca 120
 tactccaagg gagtcgccag atgactgctg cagctgaggc ttttctttca cagcatctaa 180
 cagaggctgg ggagaggctc catgaagcac gtggtttcct aataccagaa gaaaattcaa 240
 gcctttttaac atggcagtc acagtggtag gaggcggaaa gagactttgg gtattcaaaa 300
 atgggttatc accttctact tctttggctg catgatactc agagatacca ttcattgtcta 360
 tatctaaatg acactcattt ttttcctttc taaaatggag cacctggctc caaagttctt 420
 ggacatctgg gtgatgcagt ggtttcttca tttatccctt 460

<210> 384
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 384
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 tgtagcagct cacaatataa tggggaatgg ttccctgccg gcgaacatgc tgtgtttcgt 120
 tcaatcatte aaaacatttg agtgtccact gtgtgccaga cgtgctgggc cctctgctgt 180
 gcacatcatc ctcttgggtg tgatgctcct tcgaggctca gttcagatgc tacttctctg 240
 cttggctttt ccagactgca tgatacccag gctgcctggc tgggtcttcc catgtattcc 300
 acccctgacc tgtactggcc ctggttgccaa ctatttatca aattatgtga ttaatatctg 360
 ggtattttct tacactggac ctcaactcata agggcaggag ctctgtcccc ttcacacacg 420
 atcctt 426

<210> 385
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 385
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 aggcagcaca ggaggctgat gccatccagg aggagatgaa tgagaagatc gagcggctca 120
 aggccgagct ggtggtgttt aaggggctta tgagtgacct catgacagac ctggacacaa 180

aaaaaaaaag gncnnngngg ncaattnagc ttggacttaa ccaggntgaa cttntcaaa 240
agggggggaa 250

<210> 386
<211> 165
<212> DNA
<213> Homo sapiens

<400> 386
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gntcagaann ccccaggagt aaaatgcagc ctgtattacc cttcctggag tgtatcctac 120
ttggagtctt cttgttcttg gaggaataa atttctttgt tattt 165

<210> 387
<211> 397
<212> DNA
<213> Homo sapiens

<400> 387
ctcctgcgtt tctgcagagc tcctgcatta nntcaganct gcnatggnat ctggnctgan 60
tngtgtctct ccaaattcat atgttgaata cttaacctgc catgcgattg tnattggana 120
taattccttt aggggaagcaa tgaagggttaa atgagggtcat aggtggggagc ttaatccaat 180
gggactgggg tccttacaag aagaggaaga caccagagct ctctgtctcc acacacagag 240
aaaagaggct gtatgaggac acaagagaag gtaatagctg tctacaaacc aagaagagaa 300
gcctctccag aaaatgaacc ctgctggaac ttggtcttgg actttccagc ctccanaact 360
gggagaaaat aaagttcaaa ataaagttct gttgtgt 397

<210> 388
<211> 232
<212> DNA
<213> Homo sapiens

<400> 388
gcgtttccac actgtcttac tgtccggaag gagcaaacac ggtggaaagg gacagaagag 60
ccagaattcc gtctagtttg atcactgatt tgctgggtga cctgggtgc ttcacttcgc 120
ctcagtctct ttatctgtaa tatgagaatg cgcagatttg cctcctaagt gtgatgtgag 180
aattagggtga gagttggcag gcactaaana aaaaagcatg cattaatcct tt 232

<210> 389
<211> 167
<212> DNA
<213> Homo sapiens

<400> 389
gtaaggaaac atgaacctgg agagataaag tgacttctcc caagattaag tggctctctaa 60
aaggcagtgc caggactcag acttctgact tgaaatcaga gtttcttttc atcatcacat 120
ccttcctttc taatctgttg ttaataaaac tcttggtttt ctaggtc 167

<210> 390
<211> 187
<212> DNA
<213> Homo sapiens

<400> 390
gtcaccagtg gctaagcaag acccacagga tgctgccaac aggtctgaag gcttgggtaca 60
cagtagggag aaaacagaga aggtgaaagg aagatgggca aaaagaagag tgtaagaga 120
gaaagaagaa gtatttgaga tcctgccact gcactccagt ctgggcaaca gaacaagatg 180
ctgccag 187

<210> 391
<211> 282
<212> DNA

<213> Homo sapiens

<400> 391

gtttaaggag	gcacaaatcc	aggtgttccc	acattaccaa	attactactc	tgtagtttga	60
aaggaatgac	aatgacatcc	tgtttctggt	catggcta	at	ctgcacctgt	120
aaaactccag	gccatcaaca	tttcaggaag	gctatgta	at	acacttacta	180
ctgagaatta	ttggtgactt	ccagagtaca	gcacaagccc	tctctccacc	tgacttttcaa	240
ttacaacaga	gggtcagaag	agtccaataa	aggcagaacc	tg		282

<210> 392

<211> 146

<212> DNA

<213> Homo sapiens

<400> 392

caacatggag	acaatgtttt	cctgcattct	tcattccaga	agctgatgga	ggaaaaggccc	60
tatgagctgt	gggctggctc	tataggcccc	actgtacttt	aggggaattcc	agtagcaaag	120
gaataaaatc	attttagtca	ctatgc				146

<210> 393

<211> 190

<212> DNA

<213> Homo sapiens

<400> 393

tgtcaaggtc	aaggtgttga	acgtctttcg	agtcacgagt	aaccagttat	attggctatt	60
tcagaatgct	ttacagccaa	aaagtccttg	aacgaaggaa	gaagtccact	aagtctcatc	120
agcaagggtc	cagctcctct	tcctctgcat	gttttgaaca	ataaaaatga	ctaccacttt	180
ctgagaacct						190

<210> 394

<211> 303

<212> DNA

<213> Homo sapiens

<400> 394

atggaaatca	gcttccagt	tgaaccactc	tatggacaga	ctcaa	aatgga	aaagaactga	60
tggagaccct	cagctcagca	ctggcaagga	attgacatcc	tcagttcaaa	aacctgtgaa		120
gagctggatc	ctgccaacaa	ccacgtgact	gagcttggaa	gaaaatcctt	cctcaa	aatga	180
accttaagat	acctgaaacc	ccagtggaa	ccttgattgc	ttaattgtaa	gagactatga		240
gcaggaatat	ccaacctaag	tgaaaacaca	ggaactgtaa	gataataaat	gtgtgtttta		300
agt							303

<210> 395

<211> 117

<212> DNA

<213> Homo sapiens

<400> 395

gtggctgtga	tcttgaaggc	aaagacttgg	ctttatagca	cccagcctat	cagccatcag	60
tcaaaaaaat	ggaccaagtg	ttgagtcaat	taacttttct	taaattctct	tgaccag	117

<210> 396

<211> 244

<212> DNA

<213> Homo sapiens

<400> 396

gcagagaaca	catcatcccc	ctggaacgtg	agtcattt	gtg	gaaatgcttg	ttttaaattc	60
aaacttcttc	acaacctgac	gagtggtg	gagacccaag	gaagctgaca	tacaagggca		120
gatttatttt	tctgccagaa	ggaaccatca	acacaaaggc	caatggtaac	cctaaaaatg		180
gaaatgtgct	aacccttttt	attgtcaagc	aaataaaaaa	attattcttc	aaaggaggag		240

aaac 244

<210> 397
<211> 168
<212> DNA
<213> Homo sapiens

<400> 397
taaanttgaa agtagctgat atgggaccac agaattattgg ccaatcagtg ttttacataa 60
tgtctgtgga gtggccatgt gctctagaag agtgagacaa ccttggcata accttcttta 120
agagccaatc acataacact gtgaatatatt ataaaaatttt agaccatt 168

<210> 398
<211> 477
<212> DNA
<213> Homo sapiens

<400> 398
gcgtctgggg agctcctgcg attntgngga gctnctgcan naaggctnan tgnaanatnt 60
ntgctgnant attngnnatc nacantgacc atctccaggt ttctacattg gaatccaact 120
tcacaagaat nacttgacc cactatactg gaggaactt cctgcatgg cttagcctggg 180
atgctgtggg tcacaagccc ctccctagaa gttctcctga gtatctaaact gcagtcacctc 240
aactgnaac ttcttccacg ctgctgcttt gtagtctctc ttttaacctt acacatcaag 300
aagtccttct gagtatccct gcaatgtang atgaagcaat ccactaccca ctctgctact 360
gctctgctca gaaccagcac cctccctcac cccactccc atccatgcca agaattgctgc 420
acttcttccc cgtgagccag ggtagcccg aggagagggg cacaagcaca gggcctc 477

<210> 399
<211> 261
<212> DNA
<213> Homo sapiens

<400> 399
atgaaatctc agtacagacg cacttttttg ttaaatacac tancaaggna gttagtgtat 60
tttgcnaga aaatgcnana tgnttggaat atcttcaaca ttctcanatg tgggctctaa 120
atccaacaat aattatcctt ataagagaca gaagaggcac nnatacnaaa gagaaggcca 180
cgtgaaggga gtgtggccct gctgacatct tgatttcgga ctttanccct tnggaactta 240
nataaacctc tgtaagctac c 261

<210> 400
<211> 139
<212> DNA
<213> Homo sapiens

<400> 400
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cttgatgttc tactcttgga agctttcact tggtagcacc atgaaactga agaataaata 120
caagttagtgc catttatatt 139

<210> 401
<211> 415
<212> DNA
<213> Homo sapiens

<400> 401
actcatttgt tctagattca gatcattcaa caaaacatgg catgatttcc acagtctctg 60
acattctgat tgcattgctt gagaaaattc tcagtctggg aatctcctta aaatgcagca 120
cagatgatgg ctgaatagga acagctccgg tctgcagctc ccagcgagat caacgcagaa 180
ggcggtgat ttctgcattt ccaactgaga acaacgaaga aaaaatttct tttaaagaaa 240
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ggtgtcattt tcaattcttg tcctaactgg tcagtgacca aaacctctaa aaattcacia 360
agaagctcat gaggaggtcc gaggctgcca aaaggcattt ggtctctggc ccaag 415

<210> 402
<211> 360
<212> DNA
<213> Homo sapiens

<400> 402
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agtctaagag atgaggaaat aacacttctg gaatgaagcc atgcaatccc tggaaaggaa 120
cttagcatca actcgggcag tgacccactg tgaccctgtt ggttggccat accaacacct 180
gccgggcaaa accccatgcc tgaggacttc tctgggcttt gctactacca aacctttaat 240
gccgggtcta agatgaatga aaatggtttt ctatgaagac cagtatataa ggacagagca 300
agattcctca tcttcaaata tttattattt ccttcttctg gtattagcaa atttggcttt 360

<210> 403
<211> 433
<212> DNA
<213> Homo sapiens

<400> 403
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agcctcactg ctttctgcgg gtgggctgga cctgggtgact tgcttctacc tgatagaata 180
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tgtagtctt ctctcgggct cttcttgttt gcttgctctg gtgaagccag ccaccatgtg 300
ggttcctggc atagagtttc taaaaccact ggaatttcct aagtaaaagg ggtgagagaa 360
gtgtcttttg ttaactcataa taagccccct tcaaccatac ttgagtttat tctaanaggc 420
ctagttgacc tct 433

<210> 404
<211> 385
<212> DNA
<213> Homo sapiens

<400> 404
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taatagtctc aaatgcatgt caaaatgaat gaaagatctg cagcacacaa ggctatgcct 120
atgtactgga ccagaggcag aatataatag tagcagtttc caagagccta tcaaggacgt 180
cagggactcg ctgacacttc ttcccaaaacc agcagnctgg gaaccatgga tatccatcaa 240
gaaggggaaa ggtagcactt aaaaccccaa catttaaatc ttaanagcac tgggaagtgg 300
gacagatncc nccaccttt ttttcaaagg aacggaaggg cctaccttca gccaaaacaa 360
ngtaaggttt tttggtttgg aaaat 385

<210> 405
<211> 416
<212> DNA
<213> Homo sapiens

<400> 405
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acacaaggct tccagaatct ccaccgtggc acagaatgag agctggggag tcctgcaagg 180
gctcttcatg gcctcagcct ggaagtgtat ctctcactc acactcagag cacattggcc 240
agaatgagtc ccaggccctc atctaactgc aagggggctg ggaaaagcag ttttcttggg 300
taactgggaa ggaaaggcga gtacacatgg atgagcgcta gaagtctcta ccatagcagc 360
tgacaaaaca acggtggagg agcattccag gcagaaggaa cggaaaagggt gaagac 416

<210> 406
<211> 256
<212> DNA
<213> Homo sapiens

<400> 406

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gaagatcatt	gttctcagag	aagttcttca	tgttatggat	ccgtgactcc	ttaatacatt	120
ttcctacttt	tgaagaaatt	gaactgaatt	tattctattt	atataacagg	aaagatgcca	180
aactgtggat	ctgcttattc	aaagtgactg	aattttgtca	ggctattttat	caacaaataa	240
agtatttgta	attatg					256

<210> 407
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 407						
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nacattttca	aanggggcat	ntnaaaaaat	tcncgngngg	accccccancn	cncncagtn	120
tntccccccc	caaagggggc	aanccaccng	tacccaanac	cnttggcact	tttggctctt	180
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ggggcattat	accccnacc	atnggatgaa	tttacttcan	ccntttaaag	aagggaaatg	420
gaggggccct	tgctacattt	cttttcaaca	tnggatnggg	attaaacctt	tggaaaacct	480
tggatgctta	agtnaaaaag	aagggcaggt	ccccaaaaga	cttcatttgg	gatgaaagca	540
ttnccagaac	aagggccca					558

<210> 408
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 408						
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gggctataca	agaagaaatt	tcagagaaac	cctaaacaaa	ctccacagct	ctttgcaatg	180
ccaggaagaa	tttttaccat	tatataaatg	ttaggtttta	tttaatcatt	cacataatgc	240
ctactgatgc	attctcttgc	atagcatgtg	atgtgaaatt	tgtgatttgc	cactattgta	300
ttaaaaata	agcattaatt	acacactaaa	attaagccat	ttgaatcttg	gaggaggcaa	360
aagccaaaga	aaatgtgcag	ctggtcagga	agtaaattcca	gggtggagaa	atttttgtc	419

<210> 409
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 409						
actttgagct	tcnanancact	gggatgctgc	aaaagccctg	ctcattaaat	cggaccggct	60
agacatggaa	cangcctgca	gaactttgga	gagtatgggt	tggactattc	ctgcactcag	120
cgatacgga	caagcacaga	atgcaataat	atttaagttt	gttcaaaaag	ccaaatgctt	180
ttgcaaaata	ctctttttta	tttaatagga	aatagagatt	gcttatggaa	gagtgggatg	240
ggaacctgtg	gaaagacatc	ttaaatccaa	cccctggcag	tctgacatan	ggctgntgnc	300
aaatcccat	agncacactc	ccaatcacaa	tgcttcttag	atcccctaac	ccaccgcanc	360
ctaaggccta	caaagacagc	tcaatggctg	ggcncggngg	nttacgcctg	taatcccaca	420
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<210> 410
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 410						
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tgnatgtgaa	accagagatg	cccgcacaac	tggaatagag	aggaagagag	caggcagatt	120
tgnacctatc	tgctttcaag	ctggtcatca	tgatgaaact	tagacac		167

<210> 411
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 411
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 tttcctaacc gatcctttgc aagaaaagtt caccactcc tgtagtcagc agctccccta 120
 ctgtgcgag tcagtgtgcc atctcagact agcaaagatt tgtgcttgga tcatctacac 180
 ttccctgaat gctgaagaag atatgctatc catgcaatcc ttgtcgactg cttgattaaa 240
 aagtggataa actgt 255

<210> 412
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 412
 angtacagta caaaatgata tacaactatt gaggggacca actgaaatca tttgtcaatc 60
 ctctttgcaa atgaacttgt gcaatgtatt aaaacatttt taaaagttca t 111

<210> 413
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 413
 ganntgntnt tgcattacct canaagctag tcacaggaga acaatgattt gctctggcaa 60
 ggcgaaagaca gtaccaagtc attgcntnat ctncactcac attcngagtt cctgagcagc 120
 tgctctggag gtggattaaa ataaccatc atttcagttt ttataacca ttcagcattt 180
 aggaataaca tggatggttg aacccatgga tacagaggc caactgcaca tacnatgaat 240
 gcttgaagtg cactgatctt cagtgaacag ctactgact ctttacaggt ctcaaactcg 300
 tgagctcaag cgatccgcca cctcagactc caaagtgtcg aaattatagg catgagccac 360
 catgcctggg cagcattggg gaggtttcaag aactattcca gcaaaggagg ggaacttcac 420
 caccgctgca tgtctacctt ggaaagtcac gcagcattgc ttctgctggg ttctctttgn 480
 taaaaatatt gaaaatttgc tacctgcacc tgctgtgttc ccaccctctg gagacctggg 540
 aacctggctg cacctgggaa g 561

<210> 414
 <211> 569
 <212> DNA
 <213> Homo sapiens

<400> 414
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 gtgggagagc cagcgcccc cagctccagt cagggtctcac tccctgcaac acgagcaaat 120
 ggacatggcc atgggggcca ggactggggg gcctgcccag gagctggagc catgggggtcc 180
 ccagaagtag aggcctagag gcagcaccgg taccactgc acctcagggc tgctcgggtga 240
 ccgctctcag ggcagccctg ggctgttctc aagatcaact tcaccctcag gagactaagt 300
 tatgccagc tgaggatgtt cacaaggaca cactgcaggc cctagaggca atacccttg 360
 agaggctcca ggcccacgga ggacgtggcg gccgggtgagc aatccaaggc cctggggcca 420
 aggtggactg gggtttgccc ttccacctgg gacattccaa gtacacgttt tctcangtct 480
 catttaacaa ggaaaaaata gtacacacaa gcactcacgt ccacaaacaa cttcttttct 540
 tcctnaaaaa nggaaaacca cctggggcca 569

<210> 415
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 415
 cctatctgtg nngtgtgntn natgcactgg ggccaancac ttnttcggat gctgntacaa 60

caataatgaa	gttaccatat	tgctccagac	aagagatgct	catggcctca	tggcctgaat	120
taagcagttg	caactgaaat	antaaaaagt	ggccatgggt	gagatacatt	ttaaagatcg	180
aatctacaga	atataacana	ggattagggtg	ctgtangaaa	tgagaaaaga	ctgatggcca	240
gttttggtt	cagcagtggtc	tataatcatt	gtgctacttc	ttgggggaag	attggttagag	300
atatgggata	ggaggggaaa	tcaaagaagt	tnccatttta	aaccccgta	aagtttgaga	360
caccaataag	atatacaagt	tccaaagggtc	aattaccagt	tttgatatg	tgaattcaaa	420
aaagtatgag	ctg					433

<210> 416
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 416						
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tccacccaac	agcaagttct	gcacacccct	atgattgctt	ccccaacgaa	tcagcagcag	120
ttattcccta	gccccctgcc	catcaaattg	tccagaaaaa	ccctaagccc	caagccttca	180
gggagactga	tttgagtagt	aactccatct	cccgcattggc	atagctggac	ttggattaat	240
taaactcttt	ctttattgtc	gtgcc				265

<210> 417
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 417						
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cctcctcctt	gtccccacgt	caagagagag	cagcgggacg	agtggaccct	tnggaatcct	120
acctggggct	tcccttccag	gtggaaggga	agtaggagcc	aagatgcana	ctccctgacc	180
gcaggcgctg	ggccagccac	aatgccatct	tgccccctacc	ctgggtttatg	attgtttttc	240
acctttgggc	ccttggtccag	agaattccct	ctgcctccaa	tgtacgccat	ccctccttt	300
cctttctgcc	tgggacactc	ctgcctatgt	gcatgggcca	gggtctggcct	gctgccatta	360
ctatgtggcc	atgagctaag	aatgggtttta	tgttttttaa	tggctggaaa	aaacatcaaa	420
ggaagaattc	tattttgggc	atgtgaaaat	tatctgaaat	tcaaataatca	agtatccaca	480
aataaaaatta	aattggaaca	t				501

<210> 418
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 418						
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ctctggaatc	aaatcattat	gccgaggcat	ccaggctgag	ggtaaccacg	gatgaaatgt	120
ttcccaagat	cactgggacc	ttcctaccca	catgagggtc	tcaactgaga	ctggctttct	180
ccagaccaga	cttgagggtt	gatgctatct	tcacaagtgt	gcaaaaagtca	ataagagttt	240
tgtgtaactt	tgctcaggat	actttgaaaa	attgtttaat	tttttatttc	tggttatgca	300
tattttcaac	tattaaaacc	atgc				324

<210> 419
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 419						
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caggcctgga	gcctgaatcc	tctgagacac	atcgctccctg	aaattgaaag	attggcactt	180
caccacacac	tgagacggga	aacatcatct	cttcctagga	ggacctgtgt	gaccccgctt	240
gcatgaaagg	tttgetcact	cggctctgcag	tggcaggccc	acactcggca	ttccccggag	300
tcttccagt	cctgcgtgca	ctttctcttc	ttggttgagg	gcaatgaggc	tctaaaaatca	360
aagacaccaa	aacgaaggnt	aggattcttc	cttgngtcca	tgntatgtta	aataaaaatt	420

aatcttccaa gcc

433

<210> 420
<211> 449
<212> DNA
<213> Homo sapiens

<400> 420
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ccaacctcca aagcacggnt ggagagcagn ggngcaatct cgggtcaatg caacctccgt 120
ctctccctgg ttcaagtgat tctcctgcct cagcctnccg agaagctggg ntaacagcgc 180
ccccntttta cagatgatac cattgaggct natcanttaa atnncttggc naaggccaca 240
ctgtggaact gggattccaa tcaggtctaa ctccaatgca atactccttc cattatactt 300
tctttaacct gccatactaa catagcacat agcctgcgac agtttaaaaa aaaaaatcct 360
ggccccctta aaataagtga ttcattattt ttttaaatta taaactgcta ctgccaaata 420
gaaaagtaaa gtcgtttcat taaaaatgg 449

<210> 421
<211> 308
<212> DNA
<213> Homo sapiens

<400> 421
atattgaact gaaaccacca ttgagtcaat tcctgtggag cctctgcctg aaaatgagat 60
aaaagtcaag atggtgaaaa cgaaatttta aagggccttg tcgaagtcac cggcagtga 120
gaatgagatg ttaaaatcag atgtgatatg catggggaca ggagccattc aaaggccggt 180
ttcatcactg aacagctaga cctccgttct ggttggccaa cctcaggagc tgatggatac 240
aggttggaac caagcccagg ggtcctccgg aagaatctaa aacaggcaaa ataaaatgtc 300
ttccaaac 308

<210> 422
<211> 327
<212> DNA
<213> Homo sapiens

<400> 422
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gaataagaac cctcaactgc tgtctcacct ttcagatcac gaagaaagt ttttacaatg 120
agcagaacac tcaacctgaa agcagaatgg attgagtcac tgcagccgtg gcagtggaat 180
ggtgtttgat gttggcaaaag gaaacatgta cttctagact ggacagtttt cccttagttt 240
acagtttcca aatagagaca tcactttgaa ataacatgga gaacatacat ggatgtactg 300
aacgaagaat aaagtctgtg ttgcaag 327

<210> 423
<211> 284
<212> DNA
<213> Homo sapiens

<400> 423
cagaggaaga ggagcgactg aagaagaaag aggggtggagg tgaagatgtg gagctcatat 60
tgaatctttg gaaaagtga aatggctttt agtatccagt aagaagagta aatagaagaa 120
ttttagccac aaatggaaaa gaaaacgtct cttcctcagc tcaaagagac aagctcttgt 180
cagttcctgt aaaatttaaat gctggtgggc ctggaagcac atttctcaga caccctagca 240
aataggaatg accaagtaat attattttgc caataaaaaat atgc 284

<210> 424
<211> 464
<212> DNA
<213> Homo sapiens

<400> 424
gtatattacg ttcttatatg aatgacagac nanacatgga atttgaagga aaggaagatg 60

accgttaagg	tggtanggcc	tttganccca	agctaagcca	tcatatcccc	tgatgatcttg	120
cacctacaca	tncagaatgg	cctgaagtaa	ggtgaagatc	cacanaagaa	gtgaaaatag	180
ccttanctga	tggcattcca	ccattgtgat	ttgctttctgc	ctcaccctaa	ctgatcaatg	240
tactttgaaa	tctcccgcac	ccttaagaag	gttctttgtg	attctcccca	cccttgagaa	300
tgtactttgt	gagatccacc	ctctgcccgc	aaaacattgc	tcttaactcc	accgcctatc	360
ccaaaaacta	taagagctaa	tgataatccc	caccctttgc	tgactccttt	ttcggactca	420
gcccacctgc	acccgggtga	aataaacacg	cttgctggtc	acac		464

<210> 425
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 425						
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naaaaaganc	nngtaaggag	gancggagga	aggcntttta	ttgacagcct	tcgaggaact	120
gaatcctgtt	ggtgaccatg	tgagggagct	tggactccgg	tccccctgtg	ttgagccttc	180
agatgaattg	gcagncccca	gcttggtggc	atgactgtaa	cgctctgaaa	caccttcagc	240
ccagaaaagca	ttcagctaaa	ccacacctgt	atttctgacc	caaagaaatt	gtgagataat	300
aaacatttct	tctctcg					317

<210> 426
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 426						
agaaagagaa	aatactccaa	atcagaagnt	aatggccncc	nngctttcnn	nnngcnttnn	60
cnntnanna	tngaaccacc	ntcttaaaant	tntgggagga	taaagcatca	ggttaaaaagc	120
tcacctggat	ttgcgtgcct	gagcagaaaag	acagaagagg	cctgggaccc	aactagcatc	180
atactactgc	ttcatcagcc	tagatgactg	cctaccttcc	tatctttctt	acaagacaaa	240
ataaactccg	tatttgttt					259

<210> 427
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 427						
ggaattgaac	agcttggact	tggagaccgg	tgnggggttaa	accnnaatta	gnagggcggn	60
ngaaaaggac	tnccanatng	aattgtgttg	gntattcata	tccccagca	cctcaaaatg	120
tggccatgga	ggatggagac	agagattgga	gtgatgcac	ttcaagccta	ggaacactaa	180
ggattgtctg	taatcaccag	aagctggaag	angcaagaaa	gtgtcctttc	tagagccttc	240
agagagagcg	cagccctgcc	aacaccttga	ttatatgctt	caagcttcta	gaattgtgag	300
agaataaatt	tctgttggtta	taagccnaaa	aaaaaaaagg	cngncggggg	ccnttnagnt	360
gggactnanc	caggcngaac	ttnttcaaaa	gggggggggg	ccc		403

<210> 428
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 428						
gggttcagaa	aatgctaccc	caaagtactt	tgaactgaag	gtgattggga	gggcctaaga	60
agcaagaagg	tcactctgag	ttctctctgc	ctttcaatgt	gagacctgcc	aaaagggaat	120
tctctgtcct	acctcaactg	aaagtagctt	gtaagaactt	catctcaaag	gggtactgca	180
ttatactctg	aggccaagaa	aagtcaacgc	agaggccttc	ctgggtccct	ctcccccaat	240
ttgttaccat	acccttttgt	cccatcatc	ttctacatga	ttttactgaa	tctaagcaca	300
aaaataactca	gttgtccctt	gggtgttggg	cctcatttct	aatgggtttc	gttccccata	360
aaacttttgt	taatgc					376

<210> 429

<211> 394
 <212> DNA
 <213> Homo sapiens

<400> 429
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 tcttatgttc tgntaatgac aactcttntt gaagttcttc anggccgtgt gaaaangaaa 120
 agcncgccgg gcacagtggc tcacgcctgt aatcccagca ctttgggagg ctgaggcggc 180
 ggatcacctg atgtcangag tgcgagacca gcctggccaa tgtgtctgta ctaaaaatac 240
 aaaaatcagc cgggcgtggg ggcgcatgcc tagnaatcca gctactcacg ancctgangc 300
 aggaggatng nttgaacctg ggaggcggan cttgcattga gcntgggtca cactactgca 360
 ccccgacctg agagaaagag caagacttcc gtct 394

<210> 430
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 430
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 cctgcagata gcgagaactg ctgcagcagc cgccctagac cattctgcag ttctgatgca 120
 cagcatgatg gaagcatatt gcagaagatt attctggcct ttgtagatag tggattaaat 180
 tgggacagtg taagaatggg aattcagata gcccatggat ggacttcaaa atatcaccct 240
 ctaaaattgg actcaaattt catgttcaga tgcccgtttt cccactgca agaggaatcc 300
 aactttcatc agatccttgc atcaattaaa ctttccttac tgc 343

<210> 431
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 431
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 ccacntccaa anggccggtt cnngccttan tgatgncatt tccccaaaan aagngaaant 120
 ggccctgttcc tgccttactg atgacatggg cttgngaaat tcccttctct ggctcatcct 180
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 ccccccttga ctgtaatttt cctttaccta cccgaatcct ataaaacggg cccacccta 300
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 ctttattgct cac 373

<210> 432
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 432
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 aagcctggat ggaaccctga gagacaggct agtcctcaa gcagttgcta aagagttgag 120
 cggtttcttc tgaagttcaa gataacacta ccgaagaatg ttatcaccgc ctggttctac 180
 aattcgctca agtgaatcct gctaaatctt tgctcttctc acgagtcaga cctactgcta 240
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 aatattaggc attgtcctct cggtcgcgta acctgatcaa actgggggtcc ctaaatccaa 360
 acacgcacat acagcgtgtc ttctaa 386

<210> 433
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 433
 gaaattattg taactctgga attttagaag gtgactgcnt gacaattctg agaggccaat 60
 gccaatgaga gaaaagttta ctgctactca tgatggcgcc cctggaagca gaagacacag 120

cacgctatag	agggccatgt	gggaaagcac	tggagtagct	ccaggccggg	cttgccagtc	180
tctctgcact	ctggaaggag	tttgcctggg	ttgggggttg	ccttgtnat	tccaaacctt	240
cattttgtca	atttacttaa	aggtgac				267

<210> 434
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 434						
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gccttgnact	cctgggctca	agcaatcctc	ccacctaage	ctctggagta	gctgggacta	120
caggtgagca	ccgccaaagg	tgacctcaag	ttgaaatgtg	atcaccaatg	ttggagtggg	180
gcttaatggg	tggtgnttan	gctnnngnatg	aaaccattgn	cacnaancca	atggggatgg	240
tct						243

<210> 435
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 435						
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gctagcctga	gaaatgtgga	atgcctggct	tctctgacta	gtgttgacac	agttgtttcc	120
agcgtgaaca	tacctgtaca	agtgaagcca	tcacctgtgt	atccttcctt	gcacagacag	180
cggtcaagaa	aaaaacctgc	aacttggatc	caatataaac	gatgacaaat	ttcaaagaag	240
tggaagctaa	attaatgaaa	aatgttatgc	aaaatgtttt	ataatatagt	taaaatgtat	300
gagtttt						307

<210> 436
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 436						
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tgattgcagt	ggagcaaaact	tatctgaata	ccagacagca	agaaagttcc	tcttctggga	120
gaagagttac	caccaacca	gacaacaaca	ctcagaagac	tgatttttga	acgattttcc	180
aacactcacg	tctcaattcc	tcttttctaa	aagtcaacaa	aatcctggag	catatcgcca	240
gttttcctta	caattgatgt	acatgtttgc	tactaatctt	tatggactcc	cttaagtcct	300
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<210> 437
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 437						
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gcgccccctg	ccaatgatct	ctgcctccag	ggaggagcta	gaaggcagag	agaaagccac	120
tcaggacttc	ccatcccaga	agataaagg	gaggaaagca	gcagcagcag	ccacaggcca	180
gtattccaga	gcagctttgg	gttcctgtca	agacctgctt	tgagaaggag	gtggctgtgg	240
ggctggaggg	ctgggcctgt	tcttgagctg	gctgtgtggc	ccacagcaat	gaggcaacat	300
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cacttcaccc	ctcgggcctc	catttctcca	ct			392

<210> 438
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 438

09428674-102799

ngangggntc	ttgctatgtt	gttnatgcng	gtnnacacnt	cctggnetga	hntgannctc	60
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gaatcgtcac	tgtgcctccg	aacaccactt	agttccctca	aatatgtcct	tctaacaagc	240
aggcgtgctt	tcgtgtattt	agaacaaatc	ttaaatgtac	acatgcatcc	aaatcttaaa	300
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<210> 439
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 439						
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anaggataat	gtacaaggca	cgttntgtnc	agggagtctg	ccngcctggc	caagagcacc	120
cccaaaagca	cttggaatga	gcccagctac	nccaagggtg	ggagatntgc	caatatcatg	180
gagggagaaa	tacacatcta	gnntatgacc	cagcatncca	naggcctgca	ggctaaccgc	240
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gacaatgctt	cagcagtga	cccagggtgc	gccatgcaat	ggcatgagag	ctctgccttt	360
gtccatcgac	atggaagtga	aataaaaaaga	aaactt			396

<210> 440
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 440						
gaaccaagag	aagcttctca	agggtcagat	tattccagct	acctcttggg	tgcccccgag	60
gcctctctac	aaactgagt	ctgactgtga	ccctccatga	tggggaagaa	aggatcatac	120
cctttccacc	cttacacttt	ctaggcaaaa	tacacagtaa	tcatcaagga	atttggttag	180
gccctcatct	gactggttcc	ctatttcctg	gatcccatat	ctgattcttt	ctctgtttat	240
tcccctattt	tggaagacca	catcctttct	aaaacagtgt	gcatcagaag	ggaagtgttt	300
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<210> 441
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 441						
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gggaaaatgc	ccaanggatg	ctntataaaa	tcaccaccgg	nctttaaaacc	attgccccaa	180
aaccgggtaa	gttttgnngt	gttgggcttg	ggtccacttg	tccctctggn	caacctaaaca	240
aggaggggna	agaaaccaag	ggcttacna	aanggatgtt	tctttctctga	ggggaaacca	300
ctcctataga	ctcctctnga	antccaggaa	ggaagtgggn	aaaacccatc	ttcnnttaat	360
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<210> 442
 <211> 153
 <212> DNA
 <213> Homo sapiens

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cagaaccag	atattgtaag	gctcctggag	aaaccctgga	aacatctact	tctcaacgtt	120
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<210> 443
 <211> 77
 <212> DNA
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<400> 443
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aaatttttcc atctgcg 77

<210> 444
<211> 430
<212> DNA
<213> Homo sapiens

<400> 444
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ggactgtttt gcctccacct ccttcaatac ctacttttct ttccagcaac agtcccttcc 180
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atccctccgg agcagacggg tgatccctac caccttctga acactcctac tcatcatctc 360
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gtaccactta 430

<210> 445
<211> 337
<212> DNA
<213> Homo sapiens

<400> 445
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attaaatatt cagcccatgc cagagtggag atctcctttt caccttctgt ctgaattgtg 180
ccttgaatct gtttcgcgat ggggtgcgaac tgggtgagac acttgcttta gaaccgcagc 240
cctggcaact ccacgccgc tgacctcgag ccggtttcca tagcctgaat ccttcctctc 300
atttgcaaac aactttctta gtaaattgat acaaage 337

<210> 446
<211> 266
<212> DNA
<213> Homo sapiens

<400> 446
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cagatggcaa ggcgcctctg ctgatgctgn ctgcctgggc atggactgcc ttttcttcc 180
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ataaagaaaa catatatcca accttt 266

<210> 447
<211> 443
<212> DNA
<213> Homo sapiens

<400> 447
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ttaactgatg acatggctct gtgaaattcc ttctcctggc tctcctggct caaaagctcc 180
cctactgagc accctgtgac cccactctg ccgcagag aacaaccccc ctttgactgt 240
aattttcctt tacctacccg aatcctataa aacggcccca cccctatctc ctttgctga 300
ctctcttttc ggactcagcc cacctgcac cagggtgaaat aaacagcttt attgctcaca 360
caaaaaaaaa aaggncnnng nggccaattn agnttggact taaccaggcn gaacttgntc 420
aaaagggggg gggaactacc ccc 443

<210> 448
<211> 514
<212> DNA

<213> Homo sapiens

<400> 448

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accacagagt	gccctgcaga	attgggttga	aaaactaaag	aaggcaaaca	gagtttatgg	180
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ggcatggaga	aaagagcatg	gatttgcaga	agagacactt	gagagagagc	tgactgtgat	300
ggtgatgctc	acagggaccc	ttgaagacat	gagttaaaga	tcgtagaagc	atgacaagtt	360
ggatacctga	atgactgtgt	ggatctgagt	ttcccagtcg	cctgcagtac	atgatcacat	420
tgtttatgag	actgactatg	tctgagccan	aattgattgc	atctatttga	tgctgcaact	480
taacctgtgc	ttaacactat	ctctggggaa	aaaa			514

<210> 449

<211> 239

<212> DNA

<213> Homo sapiens

<400> 449

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gcaatcaaca	gtgagccaaa	tcaaaaagca	gcctacattc	tacctgataa	tctacacaca	120
ggctgggata	tgctgggttc	tactaggtga	attgaattgc	tccatgccag	tggaaaaattt	180
tttcacatca	gtttttccta	gtagatgttt	aaaaaattac	aaagaatttt	ccaatcgac	239

<210> 450

<211> 503

<212> DNA

<213> Homo sapiens

<400> 450

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tttagagcca	gattccttat	ccaatgggca	aggaaggggt	ggcctgttga	aacatcctga	180
aatacatcaa	cccaaaatac	gaccaacaaa	aatgtggctt	ccaaaaataa	ctccgccagg	240
cgggtctgtg	tgccggctgg	gaggaaaagag	aggtgggaca	gaaccagctt	ggaccttccc	300
ccatcccagg	agtgggccatc	ataccagcgt	cagtgatccc	agcctcatac	ctttgccttg	360
agactctgca	ttctgttgct	tggtgatggg	cactttgttc	atataaatgt	actcctcatc	420
agagcctgca	gaaggaagga	gacacaggct	ttgtgtgact	tcttgaagag	aaagggcctc	480
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<210> 451

<211> 215

<212> DNA

<213> Homo sapiens

<400> 451

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gattgtgcct	aagaatagcc	actgtgctcc	agcctggaaa	acatagcaag	acaaaaaaag	180
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<210> 452

<211> 418

<212> DNA

<213> Homo sapiens

<400> 452

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cntgccaat	gntaatggga	gataattcct	ttagggaagc	aatgaagggt	aaatgaggcn	180
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gtctacaaac caagaaga agcctctcca gaaaatgaac cctgctggaa ttgggtcttg 360
gactttccag cctccanaac tgggagaaaa taaagttcaa aataaaagtc tgttgtgt 418

<210> 453
<211> 196
<212> DNA
<213> Homo sapiens

<400> 453
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aaaagtggat tcatgtggag cagacttgaa cccagactca actttacagc caactacagc 120
caaccgcgag cttggaacgg aggcaggcaa gctagtccgt ggaccataa gtgataaaaa 180
caaatgcttt cattat 196

<210> 454
<211> 137
<212> DNA
<213> Homo sapiens

<400> 454
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gcctccccag aagccactat gcttctgca cagcctgtgg aactgtgagc cagttaaacc 120
ttgtttcttt attaatt 137

<210> 455
<211> 430
<212> DNA
<213> Homo sapiens

<400> 455
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gcctcagctt cccaattctg gaggttgaa gtccacgac aaggngccaa gcatggtcag 360
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tactcacgtg 430

<210> 456
<211> 211
<212> DNA
<213> Homo sapiens

<400> 456
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attatctcca agagcatgtt ctgataagag tccatcaaca tgaagccaaa actcattcag 120
agcatcaaga gaggaagtt tctagtgatg gtttggtcac ggtctcttcc aggatgattg 180
catggcagag gaaggaataa aactgtgaaa g 211

<210> 457
<211> 424
<212> DNA
<213> Homo sapiens

<400> 457
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ccacatcttc ttccaggaac agagcccaac ataaactggg agggtttgct gtcttagaca 180
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caccogaact gaatttcaac agtctgacaa gctagcgttt tgggtaata tcccagtata 300
cttgtcacag agttaagtaa aatggacttc cttcaaagga agtgctttta atacaataac 360

tgnttttgggt tttttttaa atgggattaa aaatttacac atttactaaa cctggcatat 420
 ttat 424

<210> 458
 <211> 190
 <212> DNA
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<400> 458
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 ccaagctggg actggcaaag acaatgataa ttctcgtgag aaaggtaatc ttggtgtggg 120
 gaagagggtt tgcattggaat cagaagaatg ggcaaagggt cctctgcaag atattggaaa 180
 gaagacgaag 190

<210> 459
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 459
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 taaccagaac agactgactc tgtccgaatc acccctggag acaggaaatt cttcaacact 120
 ttagcccggn angtcattgct ctccagggtg taaaacccaa ggccagcttc gggcacttga 180
 agacaaggac tccatccacc caggcaactt tcccagacct catggggagca actcctcatg 240
 aatcccaggc ttctgttgc tttgctgcct atctataaga aataaatcca cttcatttaa 300
 cctgcaaaaa aaaaaaggcc cgnngnggcca attcagcttg gacttaacca ggcttgaact 360
 ttggttaaaa 370

<210> 460
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 460
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 aggttacata atgtcctga agttccacgg ctgttacttc acactctatt gcttcttaaa 120
 ccaggatgca ttttataata aataagtata tttggtgtga t 161

<210> 461
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 461
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 taactgatga catggtcctg tgaaattcct tctcctggct catcctggct caaaagctcc 180
 cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
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 ctctcttttc ggactcagcc cacctgcac cagggtgaaat aaacagcttt attgctcaaa 360
 aaaaaaaagg ccagggggagg ccaattcnag cttnggactt aaccaggctg aacttgctca 420
 aaagg 425

<210> 462
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 462
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 atggatagta ctgaatccta tatatactgn ttttttctat acatataata aaaggttata 180

aattacgcnc agtaagaag ttaaaaactc aaaatatgag ttaaacncat atgcnatata 240
atatatgcaa taaaattgaa atactggc 268

<210> 463
<211> 287
<212> DNA
<213> Homo sapiens

<400> 463
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gtctgcaaga atccctccca cctgtcaagt tatggggatg aatatgtata aaatgcatca 180
tgtatgtgta cctgtagaaa aacttggtt gggatgtgca gaggaataa agcaaacagt 240
tttttaaaaa nncaaaaaaa aaggccaggg gggccattc ccctttg 287

<210> 464
<211> 236
<212> DNA
<213> Homo sapiens

<400> 464
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agaagtgat cggtgcaag ccaaggantg tgaagaatgg ccagccacca ctggaagcta 120
ggggagacgc cagcacagat tctccctgag agtatccaga agaaaccaac cctccaacac 180
ctggatttca gacttctgac cttgagaagt gtgagccaat aaaacaactg cagtgg 236

<210> 465
<211> 283
<212> DNA
<213> Homo sapiens

<400> 465
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cctaacattg caaggtcaaa tagcactaca tgagaaattt atacttcagt gaagacattt 180
tgacaaaaac taacattgtt taaatcacca gtaatgttaa gctgctttat acatgtccca 240
ttctgtcaaa ggttaaaata aagagcaaga tcttcattcc tac 283

<210> 466
<211> 256
<212> DNA
<213> Homo sapiens

<400> 466
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tggaagtatt caaggaagaa gccaccgagc caaggaatgc aggtggccac taggagctga 120
aaaatgcaag ggaaccgatg atcccctcag agcctctgaa ggagccaccc ctgcccatac 180
cttgacttta gccagtgaa actggttctg aatttctgac ctttagatct gtaagataat 240
gaacttgtgt tgtttt 256

<210> 467
<211> 457
<212> DNA
<213> Homo sapiens

<400> 467
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ctgaactcct gcttggggca aagttgccaa aaaagacttc gttatataac aacaccagag 180
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actgatgaca ttaccttgng aaattccttc tcctggc 457

<210> 468
<211> 290
<212> DNA
<213> Homo sapiens

<400> 468
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gaatatgccg gcaactgaaag ttgttagcaag aagacagncc nggccactaa aagagggagg 180
ngatcgtgct ggccaagggt atcggaatc tgggagatgc agatacctgg agtttccttt 240
gctctttcgt gtcataattca aataaaaaatn aaagttttct tcagtccttt 290

<210> 469
<211> 435
<212> DNA
<213> Homo sapiens

<400> 469
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taactgatga catgggtcttg tgaaattcct tctcctggct catcctggct caaaagctcc 180
cctactgagc accctgtgac cccactctg cccgccagag aacaaccccc ctttgactgt 240
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aaaaaaaaaa ggggccgggn ggggccattt aantttggga nttaaccagg tngaacttgt 420
tnaaaagggg ggggc 435

<210> 470
<211> 191
<212> DNA
<213> Homo sapiens

<400> 470
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aacacaccat catctgcctc tctccaaagg acgggggaga cgcctcatgt gagatggaaa 120
ttaagcctca gaagcagtca tttttcttta tattgtttgg aattaaaaac atattaaatt 180
gatccattat g 191

<210> 471
<211> 307
<212> DNA
<213> Homo sapiens

<400> 471
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ttacggatac catcacaaag aatttctaag gaaaaaaagg agaaaagaca gacatacctc 120
ccggcgccacc atactacatt ctgactggtc cagaagaatg ttcaccacag tccccagag 180
cccaccggaa atgttctgac aactgtttgc taaggccaca cagcccgttt caagggtggt 240
cagtgtgat cctaatacca gtgaagtga tctcacctgt tcaaatataa gagaaagttg 300
ttgaatc 307

<210> 472
<211> 593
<212> DNA
<213> Homo sapiens

<400> 472
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tcctggtttc	ttgcattcc	ttgcgcttgc	accccttggg	accattaaaa	agaagaaag	180
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ggggaaattc	ttgaagccac	ccaagcaanc	cacgcccagg	tgggttaagc	ccttaagccc	300
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tttaataaaa	aggggcaaac	ancgganggn	nccttccaag	ggggnntgaa	aaactnggtt	540
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<210> 473
 <211> 676
 <212> DNA
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<400> 473						
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gnaagccctt	tcantggng	angaacaaat	taatttgggtg	gaatngccca	ttcaaccnac	180
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gcttaaagg	aaaggggaca	aaaggaaagg	tttgggtcaaa	aggaaatttt	cccaaagccc	480
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tttcaaacng	ggaaatnggg	gcttnttnc	ncacccang	gggaattccc	tttaancacc	600
cccaaaccg	ggcctggcct	ttttaaat	tttaccacca	ggggaanggg	acttcacat	660
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<210> 474
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 474						
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cangggggaa	atctgccttc	atgatncaac	cacctccac	cangcccttn	tccaacatg	240
gggggattac	aattcgacat	ganatntggg	tggggacaca	ganccnnacc	atatcacaat	300
ccaatgtggg	tgatagctgc	tacagnaact	gtantanact	tggnagatat	taactgtcat	360
tgtcttgcaa	atggaggctc	nctncaaaag	attaatatgc	ancaatgggt	gaaccacaca	420
g						421

<210> 475
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 475						
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ctaactgtgc	accacctgca	cttcagtgtc	tcaagggtctc	ccctgccgct	gacatttggg	120
acaggctggg	caggatactg	aggatgctgg	actctccttc	gcagtgtgtc	ttgtataaac	180
ccaaggggaa	tgggaatttg	gagacaaagg	aagccatcct	ggagcggcca	aataaagcct	240
ttaatcttt						249

<210> 476
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 476						
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atcaacttga	gcaatcagcc	tgttttacat	cctcccagct	gacagccggc	cttcccccaa	120
attctgtgtg	gaatgcagcc	acatcgtcta	ttgaaaccag	ctcctgacag	acccaacaa	180
cttatacatg	aacctaagtg	aactatcctc	agttccatgc	taaattctcc	accgtgggag	240
gggctacagc	ttcattagca	taacatgaga	cccgtgttgc	tggcaggatg	actcactaca	300
tctgcacaaa	tggggcctgt	cctctatatg	cgatgatcca	ccctttcctc	tctcaccccc	360
ataaaaccct	cctgtcgctt	ccttggggag	acaccgcttt	ggagaacact	tgtagtgtct	420
tccttacttg	tgacaagtaa	taaaactcct	ag			452

<210> 477

<211> 276

<212> DNA

<213> Homo sapiens

<400> 477

ncctncatta	agnnngaact	gncatngngt	gtnacncatt	agnatgagtn	cacaattaaa	60
catgaactgg	ttcctgcccga	aatgcaaaan	aaacatgtca	ntactaagct	gctattttat	120
ttgacagctc	attttccttt	ttccctgcag	tcatttggtg	tttataagca	aacctgagcc	180
tccaaaacac	ccccaaaagt	gcacacaagg	agtcccataa	tcagtttctg	actttggccc	240
taaatcgatt	agaatacatc	tgatctgctt	caaate			276

<210> 478

<211> 300

<212> DNA

<213> Homo sapiens

<400> 478

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agcccagacg	ctccaaggac	cccattggca	gagctgcgac	cagagaccac	tgctctgcaa	120
gccacgattg	ctgtccgggc	agtctcaccc	acggggcaga	ctgaatcctt	ancttgctgg	180
tttgtgtcat	catccggcat	caggctcagt	tcaaattcca	gtcctccac	ttccaagttg	240
ttggctttga	gcaagtcact	taatgtcgct	gcgttccatg	ccccatctgt	gaaatgaatg	300

<210> 479

<211> 432

<212> DNA

<213> Homo sapiens

<400> 479

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agcnttcggg	ggacaggagc	cccacccan	ttttgtntcc	caccacntcg	tgtggcgcta	180
atcagganag	gacagcgcca	tctgccaatc	ccctgggctc	tgacaccctt	taagggttag	240
cgcacacagc	ctcaggagcc	gcatgacaa	ctgaagatgc	tacacgaagg	ccaggggatg	300
ctgccatgtc	ccccangcag	gtgccccgca	gcctgtggcc	ccacgccatg	gtccagtgtg	360
ggggggaaca	ccnttgattt	ttaataaaga	gancagaaga	ccctgggctgg	gtctntnacc	420
actggcactt	ct					432

<210> 480

<211> 441

<212> DNA

<213> Homo sapiens

<400> 480

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gggtctctaa	atcactgtaa	gataatcaac	tgcttgggaa	aacctatttg	gattttaagt	120
gaacatgaaa	taaactacta	gcctgactca	gctctcaatt	gactggggat	gccattcaag	180
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gcaggatata	atattctcgg	gtcacacctt	ctttcagaac	ttgcagacac	tgcatatttt	300
cttttggcac	tgaattcaac	tgggagaagt	ctgngggccag	ccaaatgttt	aaccatttga	360
aaggacttcc	tttttgcct	aggttttcca	ttttcttttt	angaactctc	ttttttaatc	420
actaaacttt	tattttaata	c				441

<210> 481
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 481
 ancnnctgaa gtgncaannng aggctggagt gcaatggcaa aatctcacct caccgcaacc 60
 tccacctccg gggttcaagc gattcttctg cctcagcctc ccgagtagct gtgactacag 120
 agatgggtct cgccacgttg ctcaggtggc cttgaactcc tggacttaaa taaatcctca 180
 tatctcaact tctgaacag cttggactac acatgtgtgc caccatgccc agttattaac 240
 ataattttaa aataacatct cctgttctac tataaaagta agtgaataa aaggtcagaa 300
 aaat 304

<210> 482
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 482
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 ccaggcatgg tggctcacac ctgtaatccc agcacttttg gatgccgagg cagctggatc 120
 acttgtgggtc aagagttcaa gaccagattg ggcgacatga tgaaaccccc tctctactac 180
 aaatacgaaa attagccatt gtggtggcac acgcctgtaa tcccagctac tcaggaggct 240
 gatgtgggag aactgaaccc tggagggtggg gattgcagtg agccaagatg gcgctactgt 300
 gctccagcct gggcaacaaa gcaacactat gttttaaata aataaataag tgctgagatc 360
 tcagaaaatt nnnnnnnnnn nnnnnnnnnn naaccnaaa aaangggggc gggggggccc 420
 ttt 423

<210> 483
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 483
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 agtccttgct gggttccctc actcagtcta gagtatcact atgagatcat accttttggg 180
 ccaagcatat ttctacatgg ttatcaatca tgcctatcca aggaagtttt cataaaaggc 240
 ctacaggagc atgatttgga gggctttcag atagagggtc ctggaggatg ccactcccag 300
 ggagggcatg gagcttccag gccccttccc ccatacctgg ccctgtgcat ctcttcatct 360
 ttattcatta taatatcctt tgtaataaac cagtaaatgt gt 402

<210> 484
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 484
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 cagtcaccca cctgttccac ctgtttcaac aggtgaactc actgcaggca cagaagacat 120
 ctaaggactt tagaagttag gtagcctccc aggcaccaa gacacctccc ccaagaaatg 180
 actccatttg tacattttca tataatgttc tttctacaag aggatctttg taatttacta 240
 gacccttttc tttctcaaaa tacatgagga taccagagga attatcttct aaccctcatt 300
 ttgacccttt cacctacaaa cttgattgga tctgcctaact ctctgaggaa cttgctaagc 360
 tctggttggtc aatttatatg gccagattga cagaaagtat gaaagtcctg tggaactatg 420
 tttactttca cacatgaacc agtganggaa gccagttcat ctggtgatgc acattgatgg 480
 ctcttcttgg tcccaaa 497

<210> 485
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 485
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aaaagccagg taatggatac caccaggaga gggtgactgg atacaccata tctcttcaact 120
cactcaaaga cccaaactga tggagaagta aacatcccta ccagtcacag tggcagaagg 180
aaagaaagct ttgaagtgtc ttcaactgga aatcaaattc tccatcctag aagagacgat 240
cattatattcc ttaatgatta attatattaca acttgngggac ccggaagtca ttatatgacc 300
taccccaatc accagggact ttgtagtata attttaccac atctggaatg cagacaggcc 360
taatataattg gccaaaaaaa tcaagaacta ctttgatcaa gcntaaanta aaaggtgggtt 420
ttaaggaaaaa gttannnnnn nnnnnnnnnn nnnnnnnngg gggcngnggg gcccnttnng 480
ttgggattaa cccgggttaa nttttttnaa angggggggc ccccc 526

<210> 486
<211> 513
<212> DNA
<213> Homo sapiens

<400> 486
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cacgacgtat caggcttttc atgtgtcatt ggggtgaaagg gagtcacatg ggccaaggag 120
gggaagcagg tgtcatcaga gcagttccac agccctctag gcacagtaac aggcattgctt 180
tctgtccttc tctcctttta gattgtaagc tacccaaagt ccatctccat ggggtttttt 240
ccttatgtgc aaactaccat atgacagggtg tgcctgacaa taactcaggt atagctgaga 300
atgatcctgt agtccaagaa tggttggttct gagctctgaa ctaaggaatc tgggagctgc 360
caacccaaaa ggttactcct tatctatgga gcataagtga acccctggcc catttcttgg 420
nacaacatgt gcngggnaac caaggccttt ttttttaact aagggggaag ggggnccggn 480
naaaggcccc caggaaaaag gggggcccggtt ggg 513

<210> 487
<211> 436
<212> DNA
<213> Homo sapiens

<400> 487
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attacaggcg cgagccactg caactggccc attaaatttt taaccccgtta cttgacggat 120
cagctgacac taccagacc agtaatctgg ctcaaccagt cctgcatcc caccaggaa 180
cagaagacag caagaaaacc tcaacttcaac actcccgtcg atgactccat cgacctcagg 240
aagctccaac caatcagcac tccccacttc ctgagcccct acccgccaaa ttatctttca 300
aaactcggat cccctaattg tcagcggaga ctgatttgag caataataaa actctgggtct 360
cctgcaaaaa aaaaaagggc cgggggggcn attnannttg ganttaaccn ggntnaactt 420
ggttaaaagg gggggg 436

<210> 488
<211> 90
<212> DNA
<213> Homo sapiens

<400> 488
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gtgactgctg atttgcttaa ccccatgt 90

<210> 489
<211> 515
<212> DNA
<213> Homo sapiens

<400> 489
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gggaggccaa ggccgggagga tcacgagggtc aagagattga gaccatcctg gccaacatgg 120
tgaaactccg tctctactca ggaggctgag gcagaagaat tgcttgaacc tgggaggcag 180
aggttgcagt gagccaagat tgcaccacta cactccagcc tgggcaacag agtgagactc 240
catctcaatc aatcaataaa atcaacatat taaatgtcaa aataacttaag taaaaatgtt 300

ctacttggtc	tatgtcac	aaagaatagt	cataaaaaatc	cagtatgaaa	gtttttaaca	360
gactacttta	tttacattct	attacttgat	aagcagcact	tgaataacca	aatttatatt	420
atcccagaaa	gttatggaca	ctangtgctt	caagaagttt	gctgaattaa	angacagatt	480
tacttattgg	cttttggtta	aaaattatgc	aaaaa			515

<210> 490
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 490						
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agaggcattc	ttactattcc	aaaacaagga	aagggtaaaa	ccaagatgtc	aaaggccccc	120
ctgggtgtgga	ancaaatttc	tgcctccacc	agctggatgg	ctgctacccc	tgtacaggtc	180
cctaacactg	gaacagggat	caacccaagt	gcttggggct	caccatgtcc	tcctccccag	240
ccaggacagc	aagtgggaaga	cacaggcgag	ctgaaagagg	ctcactgtgt	gcccagccct	300
aaccccctgc	ctcattggca	ccaggcaccc	aggactcctc	agaactcaga	gccaggggtt	360
gggcagcctc	ctcgtagtgc	tccttgaata	ggatttatag	gacttgcacc	angagctttg	420
ggccattcca	ggggacattg	cttttggggg	aaaaaaagga	cccaatatgg	gtatctaaga	480
actttgaagc	atgtcgtcag	aaatcggagc	ttcanggaat	tgggaaat		528

<210> 491
 <211> 537
 <212> DNA
 <213> Homo sapiens

<400> 491						
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ctcaatgatg	aattgaacaa	tgaatctgaa	ggaaaaagga	gaaagaaaac	acaagtgtgc	180
aggtgtcaat	tgtataccat	catagtacca	tcaaaagaag	taggaaatag	tggagatgaa	240
gcaggttgat	atgatttggc	tgcttcccca	cccaaactct	accttgactt	gtagttccca	300
taatccccac	atgtgggggg	aggaagcctt	tangaggtga	tttaatcatg	gggtggttac	360
ccgcatgctg	ttctcatgat	aatgagtgag	ttctcacaa	atttaacgtc	tttanaaagg	420
aacttttttc	ccttttactt	ggcacttctt	ttttgctgtt	ggcatttgtga	aanaangaca	480
tggttgcttc	ttcctttccc	ccttgattgg	naagttcccc	anaacctccc	cagcctt	537

<210> 492
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 492						
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gctgaggcca	ggcatgggtg	ctcacacctg	taatcccagc	actttgggat	gccgaggcag	120
ctggatcact	tgtggtcaag	agttcaagac	cagattgggc	gaentgggn	aaccccgctc	180
ttactacaat	ccaaaattag	ccattgtggt	ggcacacgcc	tgtaatccca	gctactcagg	240
aggctgatgt	gggagagctg	aaccctggag	gtggagattg	cagtgaacca	agatggcgct	300
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agatctc						367

<210> 493
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 493						
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actctcta	taaaacccaa	caattctgta	gactcttcca	taggaaatat	attcatgagg	120
ctgatgctta	tagaaagttt	tatcttgtga	gttattaaat	aaaaatgc	tcaaatttca	180
agaactgtt						189

<210> 494
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 494
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 cttacttatt tgtgaatttc cataacatct agtagagtgt tttccaccta attgggcgca 120
 ataaatgttt attgaaaaaa taaagaaggc tatgggg 157

<210> 495
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 495
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 agaacatatg aaacaatgtc ttcaaaacac tgaacatcag cgatgggaagc aggaggcaga 120
 gaaattctag gcagacaggg gcgggtcccc agtgaaacag caccttcaag tcaaagtagc 180
 ctgaaacctg ctgccaaga ccctggactc agtcagtaga ggagagaagc agcttgactg 240
 gagagaagca acttgacttc agagggacag ctggacttca gaggaaagat agcttaactt 300
 cagagggacg ctctgacttc agggaagatt acctgacct cccatcccc ttttcagctt 360
 ctntttttca cttggagact tcctttggtt aaataaaata atctgcctcc accatc 416

<210> 496
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 496
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 acaggtctcc tacttctaga ctcatgtttt tgaggagatc cgtggatcag catctctcct 120
 ggtcaggacc acagaggcct tccaccgcgt gtgtgaagcc tcgttggatg ccagcttcaa 180
 aagcaaaagg tatgtcaatg ttccataaag agaggatcgt gactctcccc ctgtgcaagt 240
 ctggagctgg agagcactct ttctgtggga tgcagtcacc ctgaaatgaa actctcttta 300
 ntagctttta cttgagaaga tncccatatg ccctacctac ttatngtnat gcnctcttat 360
 attaaaaaaa aaagttgggg agtttaaaag gacca 395

<210> 497
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 497
 agatgaagtc ttcctttgct gccaggetg gtctggaatt ccttgcttca agcgatcctc 60
 ccacctcgac ttcctaaaga actgggatta caggcacaag cctgccccac tctgcaaccc 120
 ggtgtagaga ccgctacatc aaaagcacat agtaggaggg aagaaaaaac ccacagagtt 180
 acaataatga aagtctggag gcaaatagag tagaagtcta cttgaatagg tatccctccg 240
 taggatagtt catcacatat tagaactaga aaggctcttg aagtttatat agtggctggg 300
 ctaatctgtt agattttcaa agtccaccaa gatcagttaa acaattgctg agctaaagaa 360
 aagaacttac cattcattgg agtttntttg ccatcccatg cagttattgg aaataaatat 420
 ttgtatgct 429

<210> 498
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 498
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 cccacgtca agcgattccc gtgcctcagc ctgcagagta gctgggatta caggctggga 120
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ccaggctggt	ctcgaactg	tggcctcagg	cgatctgccc	gccttggcct	cccaaagtgc	240
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agtctgtact	gtctgaaatt	aatatagaga	ctcctgcttt	ctttt		345

<210> 499
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 499						
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tggaccacga	ggatctgaca	gccttttgca	aaggctcacc	agccccgacc	tcagcagagg	120
aaagacgact	ccatgcttgg	ctagcaaggg	caacggtgcc	accagcttca	tatgtcccac	180
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cctcttcttc	gtgccccctt	tttaccatc	acagctattt	cccctaatac	atcttctgca	300
tgtgcttctt	ggaggacctg	agatgacact	gagccagact	gaatttttct	tttttgccat	360
aatcagaatg	gattaattaa	gaattaaa				388

<210> 500
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 500						
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acgaccctgc	acgtgatgca	tcagctggca	ccaccagat	gcataaactg	gctcatctga	120
tcttgtggcc	cccaccaggg	aactgactca	gcacaagaag	acagctttga	ctctctatga	180
tttcatctct	gaccaatcag	cactcctggc	tcactggctt	ccccacaccc	accaagttat	240
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ggtcttctgc						310

<210> 501
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 501						
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catcaccttc	acctggggagc	tcattaggaa	tgcagaatct	cgggcctcat	ccctgatcca	180
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gagaagcact	gctgtacaac	actttgtaac	aatctctctt	gtccaagagc	ggggacgaag	300
ctagctgtga	aagctaacac	aggtctcagg	tgttcttctt	cctgcaagtg	aggggtggagg	360
gtctgcattg	ngggtcattt	tcccgaataa	ccttccttgg	gatcganggc	tcctgtctgc	420
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<210> 502
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 502						
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tcagtgcac	ctctgcctcc	tgggttcaac	ggattctcct	gcctcaccct	ccttagtagc	180
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tgaccagget	ggctcttgaa	ccctgacctc	aagtgaacca	cctgccttgg	ccttccaaag	300
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accctctatt	taatataata	caccaatta	aggggtt			397

<210> 503
 <211> 443

<212> DNA
<213> Homo sapiens

<400> 503
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gtgtttgtgca cctagcccca ggtggataag aacatccaga tgcacctgcc cttcactagc 180
tttgtcatgg ccctgcccc atcccagctt cagggtaaac ccctgctacc ttcagtgtctc 240
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ccaccaatg ccagcacata gtg 443

<210> 504
<211> 346
<212> DNA
<213> Homo sapiens

<400> 504
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cccacgtcca agcgattccc gtgcctcagc ctgcagagta gctgggatta caggctggga 120
ttaccaccac gccctgctaa tttctgcatt tttagtaaag acagggtttc atcgtgttgg 180
ccaggctggg ctggaactcc tggcctcagg cgatctgccc gccttggcct cccaaagtgc 240
tgggattaca cgtgtgagcc actgtgcctg gcctattcct gatgactctc cttgtctctga 300
agtctgnact gtctgaaatt aatatagaga ctctgtcttt cttttg 346

<210> 505
<211> 444
<212> DNA
<213> Homo sapiens

<400> 505
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aaatggcctg ctcccgcctt aactgatgac attgtcttgt gaaattcctt ctctggctc 180
attctggctc aaaagctccc ctgctgagca ccttgtgacc cccactctgc ccaccagaga 240
acaaaccccc tttgactgta attttccttt atccacccaa atcctataaa atggccccac 300
ccttatctcc ctctgctgac tctcttttctg gactcagccc acctgcaccc aggtgaaata 360
aacagccatg gtgctcacc aaaaaaaaaa aggccagcga ggccnattta gcttggactt 420
aaccangctg aactttgttt aaaa 444

<210> 506
<211> 401
<212> DNA
<213> Homo sapiens

<400> 506
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catcctggct caaaagctcc cctactgagc accttgtgac cccactctc ctgcccacca 180
gagaacaacc cccctttgac tgtaattttc ctttacctac cctaattctta taaaacagcc 240
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gattaaaagc tttattgctc acaaaaaaaaa aaaggncngn gnggncaatt cagntnggac 360
ttaaccnggn tgaacttgnt naaaaggggg gggccaccca a 401

<210> 507
<211> 306
<212> DNA
<213> Homo sapiens

<400> 507
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catgtgggac	tgtgatttag	caaggaaaac	agccagaata	aacatgtcag	tgtctccggt	180
ttatgggtggc	ttcatgtgca	gcattgtgac	ctatacctcg	gagtttttct	tataccagat	240
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ctcttg						306

<210> 508
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 508						
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tactgaaggg	tgaggggtgag	gacaagagaa	gggaaggtgg	tgagatgat	tattcaacag	120
tcaagactct	gctagtacac	aagacaccag	aaatccggaa	ggcctctccc	tgccccgcca	180
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<210> 509
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 509						
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tcagtccaag	tccacaaaga	attgaatgcc	gccaacaact	atgcaaggat	gtaaatgaac	120
tattcttcac	ttgagcctcg	gaagggacca	taaccctgac	tgataactga	taatagtttt	180
gtgagatcct	gaaagcagag	gatactcaga	ctcctcattc	acagaagctg	tgagagaatt	240
catgtatatt	gttttatgtc	tctaattttg	tggtaatatt	gttatacttt	aatggctaatt	300
aaagctacca	actcaccg					318

<210> 510
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 510						
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caaggaaaga	ggatcatttt	gaagccggga	tatggagacc	aacctgggca	acaaagcaag	120
acctcatctc	tac					133

<210> 511
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 511						
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aggntgggga	ttggagacca	acctgggcaa	caaaagcaag	acctcatctt	ctac	114

<210> 512
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 512						
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caccatgttt	ggccagactg	gtctcaaact	tctgacctta	ggnagatcnt	ggnccacctt	240
agccttccaa	agtgctggga	tcacagtcct	tgaagccacc	gcgcctggnc	gacaacaggc	300
ttctttgaag	aacaaggggc	cttctttaaa	ttttnaacaa	antctcttgc	ctttgttaca	360
cangagtatg	gggntncaat	aaattgtttg	gntnggattt	gaaatttgc		409

<210> 513
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 513
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 gaccacaaaa gaagtgaata nggccagttc ctgccttaac tgatgacatt accttggggac 120
 attcctcctc ctggataatg nctctgganc tccccaccaa acaccttgtg acccccactc 180
 tgcccacaa agcacaaccc cctttaactg taattttcca ctacctacc aaatcctata 240
 aaactgcccc acccccattt ccctttgctg actctntttt cggactcaac ccacttgcac 300
 ccaagngaaa taaacaagcc ttgttgctca canaaaaata aaaaaaangn caanaggngn 360
 cctncnnnnt gnaatnaa catgggtnnn gtntgtnaa aagggggggg g 411

<210> 514
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 514
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 tataggttgc actgtggagc aaatatacca ggaggtcttg atttcctttt tctccctcac 120
 catccgataa taaatccaag tggaatgcta ggaattggta aaaag 165

<210> 515
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 515
 caatgatgtt cagttccaat tttccaactc ccagaagat gctccactgc tccactctct 60
 tgccaccatg gtcattccaa gaaacaaatc tgaccacagc atttctcccc ccacaccctt 120
 cccaacacag catggactct gcaacctggg atgagggggc tctgcttcac tccagtcagt 180
 cccatggctc ccaaagtgtg gtctatggac tctaggggtg ctacaagatc cttccagagg 240
 ttttacgagg tcaaaagtat ttgataaaaa tactaagaca tttcttggct gggagccatg 300
 gttcatgcct gtaatctcag tgctttggga ggctgaggtg ggaggggttg ctgaggccaa 360
 gagctcaaga caagcctggg caacatagaa agaccctgtc tctacaaaaa aaaaaaggcc 420
 agngnggcca attcagntng nacttancca ggctgaactt g 461

<210> 516
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 516
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 aagctcctta gaatagaagt tcatgggagg aagcatccac atgtgcactc acatcttcag 120
 aacgtgctgc ctctgcccc caaacacact gacctctgcc ttttcaaagg caaaatttga 180
 tccattaatg ttccccagtg ttggtttcat aaagcgtttg gatgggacct tcttcacaaa 240
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 acgaggcaac ccagagagtc catctgcagc caaacatgc aacagaccca gccacagctt 360
 agaggctggc aacaagtctg cctgcaggat ctgccaagga accagatgct gttgcttcca 420
 aagcttggca tcaggggccc tgattgccat tcaacaagaa ggaaaaatag gggat 475

<210> 517
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 517
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aacagggaaa	cttggaccca	gagacatact	cagaggaaga	acgctgtgtg	aggcggagg	180
cagaggtcaa	ggggattcat	ctatgagcca	cagactgcca	cagactgcca	gccaaccctc	240
accagagcca	ggagagaggg	acagggcaga	gtctacctca	taccctcag	aaggagtcaa	300
cgggtgctgat	accttgattt	ctgaccttta	ccttcagaac	tgtgagacaa	taaatttcta	360
ttgtgtaagc	c					371

<210> 518
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 518						
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gggggctgta	gcccttgaag	ccatgtgaaa	taagacctga	agtaaccgag	atgccagtgt	120
ttggccaccc	ttggctgaaa	taacatattt	acccagcaac	aaagctttcc	catccatttt	180
tatttaagag	agatttttaa	taaaatctag	taaatg			216

<210> 519
 <211> 483
 <212> DNA
 <213> Homo sapiens

<400> 519						
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tggacatgag	ctgtgtgggtg	tccccgtcct	catacctatt	ccagaaccac	actggtcctc	120
gctctcgtct	ccgaactgtc	ggaggacgga	cctgcttttg	caaggacctg	aactccctgt	180
gttgttgctt	aagattttta	cccaggcatg	aaaaggaaat	gaattctgcc	aactcatcgc	240
tgtgtctgtg	ggaacagaaa	ctcagggcac	ctattctctg	caagaaaagc	atcaattccc	300
tgtaagaaaa	gtttcccacc	tgagacaatg	acacagacca	acataaatgc	tcttttggtt	360
ttatgatttc	tgatattaga	ttttacttga	tttttttaat	tttaattttt	taaatttcgt	420
tttgagagtt	aaaagtgtta	cttcttttat	ttccagcagt	tcaaggaatt	tcagagcaat	480
ctt						483

<210> 520
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 520						
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ggcagaacac	aggccctca	ccccgatgcc	cacgaccact	cagtaacaac	atctaccacc	120
attcggaggg	aagacaaact	gcatgagtaa	cccagcacag	ccactcagat	gtcacttctt	180
cctggtgaag	aagcagaacc	ctagattcac	aaaataaaca	gtcatctaca	ggc	233

<210> 521
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 521						
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tcactgggac	ctccgcctcc	tgggttcaag	cgattctcct	gcctcagcct	cccagtagtc	120
tgggattaca	ggtgcccgcc	accatgcctg	gctagttttg	gtatatttag	tagagatgga	180
atttcaccat	gttggaag	ctgatctcga	actcctgacc	tctcaggtaa	tctgcccgtc	240
tcagccttcc	aaagtgtctg	gattataggg	gtgagccact	gcgcccggcc	tatcattgct	300
gtatttcaag	tacctgttta	ccttgtaggg	tctgccctac	caaattaaaa	gctttaaagg	360
atggac						366

<210> 522
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 522
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ttcctcctcc ccaggcttcc cagcaccac agacaacgcg caaaacacaa tttaagggtg 180
accgacttta caaaaggcag gcacgcctac gcgatgagca ctggatctaa gcagaaacgc 240
agagccgccc aagccaggtc catcctggcc ccgctctgca cctcatgcca tgatgtaccg 300
cacaggcctt ctgagggggt tcaaattcca tgtcaacaaa aggaaaaatt aaaggcactc 360
taatcggt 368

<210> 523
<211> 487
<212> DNA
<213> Homo sapiens

<400> 523
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caggcaggtt gaattgcccc gggcctacag aaaacctgac ctccatacaag acagagacac 120
caaatgcccc ccgatggaca agcagaggac caaggggttc ctgggtgttca tcgtgcagga 180
aacactgcaa acagctgggg agatgggaat acttgacaac cacctttcac gtccagagat 240
gaccaactag gaactgtcct ccccatcac ccacacccca gcacagtgt tactcagcca 300
aatgcctgca gggccagcag gtaacaccca tgactgaagg tggcggggca aatattacaa 360
cagggagagg tggaacaaat ttgggctcgt atgccctaga taagaggatg accaccgccc 420
aattccaact gggaaagcag gcccgtgtt gccagacctt nagaattttt cagaaaaact 480
ggaaatt 487

<210> 524
<211> 325
<212> DNA
<213> Homo sapiens

<400> 524
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gagccctnga naacagacca cttcaccaag agggcccaag gtgattngta aaaagaagac 120
cattncnnaa ttccttcatt ctggacccat tctaccaaag cctcaagaaa gaagaagggg 180
cctgggaaac aagcttcctt ttcccttcac caagccttca agaaagggaa attcaaactn 240
ttgnccccc attncttcat cttgggggaa tttcccaatt ttcttggaac tttggggagaa 300
aaaataaaat tttcttggtt atttt 325

<210> 525
<211> 495
<212> DNA
<213> Homo sapiens

<400> 525
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tccagaacaa tgagaatgct acctctgccg acaacattcc catccaacta agatcaagcc 180
agattgctct tgagtcattg gttagtaacc catgggaaga ggaagagtag ctgcagttga 240
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cctggagtca gaagttgtcc ccagacttgt cctaattggc tagcacagt ggaagttgtc 360
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caagaaaagg gagca 495

<210> 526
<211> 355
<212> DNA
<213> Homo sapiens

<400> 526
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gagcnaagtt actttgtggn ttaacaaagc attaggaaat gggactctca agctctctca 120

aaaagtatca	aagaagtga	attcatcaga	ccactgtgtc	gagacaatga	gacgccagat	180
gccagattcc	ttatttgtca	tgattgtctc	cttagccctc	cctagttcct	gttttcctgc	240
tcataagtta	catttcttcc	ttgctatata	atccccta	ttcggctggt	tgaggagatg	300
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<210> 527
 <211> 521
 <212> DNA
 <213> Homo sapiens

<400> 527						
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gatttgtgaga	agcagggatc	ttgaggtctc	aaatgcccta	ttggagggtca	ggctctggag	180
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gaccaagcag	ctccaagccg	gcccctctgt	ttataaaaacc	aagttccggg	ccaagtgtgg	300
tggctcacgc	cgtaatccc	agcactttgg	gaggccgagg	tggccggatt	acctgaggtc	360
acatgttcaa	gatcatcctg	ggcaatgtgg	tgaaaaccca	tctctactaa	aaatacaaaa	420
antaactggg	cgccgggggtg	catgcctttt	gatgccagct	actcgggaag	tctgaaggca	480
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<210> 528
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 528						
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ttagctattg	atgacatatc	taaatgggac	attcngggca	ttgtccggag	catgctgaca	420
gaagcattat	attttcttaa	gaaaacttaa	tggngccctg	atttgaccac	tttttancat	480
gttccaaacc	ttccanacat	tgggatttaa				510

<210> 529
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 529						
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tctactccaa	acagcattag	agaggaatct	ggacctgctg	cctccaaagt	tgctcttggt	360
tctgaaattt	tatggctacg	attctatcac	aaaattcaca	acgatgctgg	aagtggttct	420
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cataaggatt	tgaatatatg	ccta				504

<210> 530
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 530						
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aaaccaggac	attcaccac	atattttgtc	aatgacaca	gcaagaaggc	cttaccaga	240
tgccagtcct	ttggtcttgg	acttcccagc	ctccagaatg	gatctgagtc	tttgttttct	300
gctcaacaag	ctgctgagca	gcaatcccag	ccccagggcc	cagagcacct	tcctctggga	360
gtccagcctc	angactgtgc	tctgcctgcc	cctactgcac	angcctcaaa	accaccacc	420
tcaacttctg	ggtcaagcac	agtcaagaag	caaggtaaga	ngctgngctt	cactggatga	480
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<210> 531
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 531						
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tggaaatacta	ctcagccata	aaaaggaata	aaataatggc	atgtgcagca	acctggatgg	300
agttggagac	cactattcta	agtgaagtaa	ctcaggaatg	gaaacccaaa	tatcatatgg	360
gagctaagct	atgaggatgc	aaagggataa	gaacggata	atgaaccttg	gggacttaaa	420
anggaaggat	gggaaaggat	gaaggataaa	aaacttcnca	ttggctncag	tgtacactgn	480
tcgggtgcca	ccaaatcttc	a				501

<210> 532
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 532						
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gaagaatttc	taaaatcctc	atatgaaatg	agtaaaatta	aggataaatg	acactggaaa	180
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gaatattgat	ttggcccaaa	taaagacatt	caacaaattc	ttaatgagtg	gatcaatgga	420
agattnctgc	caacccaaaat	ccanggnaat	ccttgagttg	cacagtggan	tggcattctc	480
tttggattca	ttttccta					500

<210> 533
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 533						
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ccaacaaaa	tttgtcgaa	ggatgaacga	aatgaaggaa	cgtgagaggt	acacaggaac	120
cacaatcata	taaggcaaaa	cttgccatgt	ttggagtggg	gcagagcttg	gaaggcccg	180
acaaataagg	gcatgtaaca	cccttcagga	cagcaaggat	tttaa	ngatccctaa	240
atggccccga	aagaacttca	cccttggnta	ggaaggcttc	aaccatttcc	cccaccctta	300
accttttttt	aaaagganta	caaaccaa	tccaaaaact	tttaccaaaa	ccttngnaaa	360
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<210> 534
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 534						
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ggaaaagnaa	gccaaagggg	cctttttatt	ttggaaaatt	ggaaggggaa	aaaccaaggt	180

nggaaggcct	tcccgcggg	attttaattc	cgganaaaag	nggggtccac	cttggggatt	240
ttggcccttg	gccaccaag	gggttttttt	tggggaagac	cttgggtcttt	tttcccttaa	300
gnaccaattc	ccaccccg	gaatttnggg	ggaagaccaa	aaaaaatagn	ttggnntggc	360
caatttttgg	gacaaaaac	cgttttaacc	tttccaaggg	aaaaggaaat	tttaattggg	420
tttttgcccc	caacccccaa	ttnaatttgg	gaattttttna	attccnaaag	gnccnccaac	480
cccaaattgg	ggcccttttt	aanttcccc	ccctttgggt	tgcccaanaa	ggggaaaatt	540
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<210> 535

<211> 381

<212> DNA

<213> Homo sapiens

<400> 535

agactaccct	agcattaagn	tncaagnaac	taggagnctn	gcctngcaag	accaaagncc	60
cccttgccac	cattggaaag	gaaagcccc	attccttggt	tgggggtagn	ggaaggaagg	120
aaggttggat	ggccccaacc	accaccacgn	aaggaaaaaa	aaggaaaaac	cggaaggaag	180
gaaggaaana	aggccacgga	aggaaggacc	acgcaaggac	cagnaaaggaa	ggaaggccgg	240
aaggccattt	tcttggaaaa	gggcgccaag	gccttcccc	cttttctccc	ccttggttgg	300
ccttttcccc	aagaggttcc	ccttggttgg	ccttttggcc	ccaaaattaa	aaaaccttgg	360
cccccttttt	tttttctttt	c				381

<210> 536

<211> 630

<212> DNA

<213> Homo sapiens

<400> 536

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tggaaggat	tcttgggnaa	ccttggaaag	gatagcccat	tttccattac	caaggcncca	120
ttccttttaa	ccccctnaaa	aaaggggaaa	aaaggcctnt	tttggaaagg	ggggcccaaa	180
ttggaccagg	aagggattaa	ccatnaagna	aaagttttgg	ggaaaattct	tgccaaattg	240
gaaaagcctt	ggggattttt	taagggaagn	ggcgttttac	cccccacacc	tnggaaaagg	300
tttaaaagg	gatttttaacc	ttttggggcc	ttggcccat	aaggccaatt	aaaacaaaa	360
ttggaaaagg	tggaaccttg	aaaaaaaaat	tcccaagcaa	aattttttcc	aagggaatta	420
aaattcttaa	ttctttaacc	tttttaaaaa	accaatnggt	tttttaaaaa	aggttaattg	480
ggtttttttt	gggtgttttt	ttgggccaag	gnaacctttt	tttttttttg	ccaatttaac	540
ccttttttaa	ttttttttcc	tttaacccaa	tttggggggg	gttttttnaa	aaaaatttcc	600
cgggaaccct	tnggggtttt	tttttttttt				630

<210> 537

<211> 258

<212> DNA

<213> Homo sapiens

<400> 537

agtgcctgtt	cctgcctgct	cggtgactga	gctgatctct	ctaggaatga	cctgtgtgct	60
gatcaagccg	acacgtctct	ttgcttcccg	acgtcctgat	atggcagcaa	agggtggtag	120
aatgaagtca	ttcctgcaaa	agaagctgtg	agaggaaata	cagatgcagt	ggctgaatat	180
gaaagtgtt	atgttcccaa	aggaagaaaa	tgctaaatct	caattagagg	ttggaagaaa	240
taatgacgca	gtcttttt					258

<210> 538

<211> 758

<212> DNA

<213> Homo sapiens

<400> 538

ggacgttctt	gggggggaag	cctacccttg	gccatttaaa	aggttcaagn	aaaaccttgg	60
aaggaaattc	cttttttgg	taaaaaaaa	atgggggaag	ggaaaaggac	cccaattccc	120
atttttcctt	ccaaaccaat	tttgggaaaa	ccccaatttt	gggggatttn	cccacaattt	180
aagggaaaaa	aaattttggt	tanaaaagg	ggccccacaa	ggaaccccc	ncgggggaat	240

tataaggggg	aaaaggggg	aaattttttt	tcntttcccc	tttnggaccc	ccccccna	300
aaaaaggaaa	cctggggagt	tcntttttcg	gcctttngtt	gcccagggn	cccaancctt	360
ggggganaaa	naaaaatttg	ggggacccgn	ttaacccttt	tttttggttg	ctttggaacc	420
ctttacccaa	accgaatttt	ttctanaagg	gaaaanggga	agggggtgnc	ccncccttc	480
ctttttccat	ttccaaattg	ggtggggggg	tggggaagg	aaanattttt	ccaatttggt	540
gggggggggg	ggggggccct	tttcengnaa	aaaaaaaatt	gnggaaaagg	gaaaaaaggt	600
nccnttttta	atttgggccc	ccnctttttg	ggcnccccc	caaaaaaaaa	aggnaaaaaa	660
ttaaatttgg	gncccnnttt	tttnccnccg	ggaaaaaaa	gggnaaaaaa	ggnaaatttt	720
aaannngccc	ttngggggcc	tttggtttcc	cccttggg			758

<210> 539
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 539						
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caggatggca	gagcagttag	ctggaaggag	tctggctcct	tgagaaggat	ggagccccc	120
caccacaagt	cccgactgn	ctgctttact	attcagcctt	aacaaagaag	gaaatcctgc	180
cattggcaac	aatgtggatg	aacctggagg	acactgtgct	aaataaaata	agccaaacac	240

<210> 540
 <211> 516
 <212> DNA
 <213> Homo sapiens

<400> 540						
aggttnccaga	aactggaagn	gnctctctcn	cacctncaan	tggcnnggna	nnncnagaag	60
ggggaaattn	cannacacaa	gaactctcgc	tggttgggat	cttcagaaat	cgttctcctt	120
ggntcntcaa	acgcnaggac	tactatgctc	gccacccatc	caaatcgctt	gcgcgtaaga	180
gggtaatttc	ctagagcgta	agctnancca	ttnancattg	gctacacacc	acaaancgcc	240
acccggnggg	gtgatanaat	tttttggnc	attaanattg	gacttngggg	aggaatgnnc	300
anctagctct	tttacaatta	aaaattgggt	ttaggacctc	caaattggcg	tgaaagtaaa	360
tatanaaaaa	cgttggcctt	ggggggggcat	actaaaaaat	ttgccctttc	gcaatctcat	420
aggaagacta	tcgagccccc	ntntacgcaa	gnaactnttn	gcaaangggg	caatttaaag	480
acaccaacgg	cgaccaatt	ttgggaaggc	cccctc			516

<210> 541
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 541						
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tattccta	tctcatccat	aactgaaaag	gttaacattt	caaattggg	tacagaatag	120
tgatgtcact	ttcctatatt	catataccaa	gtcaatgttt	aaaaatagct	tatgttcagg	180
agaatggcgt	gaacccggga	ggtggagctt	gcagtgaagt	gagatcgac	cactgcactc	240
cagcctgggc	gacagagcga	gactccatct	c			271

<210> 542
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 542						
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gtgggctatg	catcttacct	gcttgagcaa	gagaagaaca	aaggatatct	acctggacag	120
gtgagaattt	atatcattga	aagcttcac	ttgattcact	gagtgtcatc	attcatgctg	180
cattcagaag	aggtgattca	aatctccaga	ataaagtgtc	atcatcaatc	tcacatattg	240
gtatgctcga	atagacagca	tttaccatcc	tcctaatgt	ggaaagaaaa	ataaaaaatg	300
agtactaacc	atttgctttt	tgtgttaaaa	a			331

09423674-102799

<210> 543
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 543
 gaccatcttt aatcaaactg aattaactgg cctgtgcaga ctgtctttat cctctaagat 60
 tcagggatac tggcctgtga gtttcagcac cgactttctg gaactgtaaa g 111

<210> 544
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 544
 ccaattactt ctgactttca agactcttgt atttcactgg cttagggaaa atcaagctaa 60
 gccctaagt atgggttgat catccatcca gttctttgct tctctagct gatatccttc 120
 tttgctgtac tatatgggaa aagcaagaaa tattgtgaca ccaaaaggga ggagttttgc 180
 tcttggtgtt ccagctggag tngcaatggg cngcngatac tcagnntcac ntgcaacctt 240
 ctgcctccct ggggtttcaa gtgatttctc ctgccttacc ctccctgnag ttaagcctgg 300
 gggaattaac aggggccacc cttgccacc caccgcccc cgggctttaa attttttttt 360
 ggcaattttt ttttaaga 378

<210> 545
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 545
 ggccctggga gagtgggttg agagaatgga agtgaagagg aaggcttcac catcacctta 60
 actaacatgt gtttcttacc gttaaataaa cattatagga ggcgcattat 110

<210> 546
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 546
 gtatattagt tcttatatga atgacacgaa gaaacaatga aattgaagga aaggaagatg 60
 aacgctaagg 70

<210> 547
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 547
 agagcagaga aggggagaag agaagcatgc agctgaacac cggagagaag tttgactcca 60
 gagggatggc ttgatggtgg gacttcagga gaagaatacc ttctgctcc atcccccttc 120
 cagctcccct tccactgag agccacttcc attggcaata aaatcctcct cagtaaccac 180
 c 181

<210> 548
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 548
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 gccatcgcat cccccgtgac ttgcacgtat accgcccaga tggcctgaag taactgaaga 120
 atcacaaaat aagtgaatat gccctgcccc accttaactg atgacattcc accacaaaag 180
 aagtgtaaat ggccagtcct tgccttagct gatgacatta tcttgtgaga gtccttttcc 240

tgggcttcat	cctggctc	aaaagcacc	ccactggagc	atctttgcga	ccccacttc	300
tgccccgnc	ganaacaaac	ccccctttt	actggaaatt	tc		342

<210> 549
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 549						
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aaaaaaggga	acctttttaa	aaggcctttg	ggaattttcc	cccccaaccg	ggaaaaaaag	120
gccaaggtt	ccaaaaggna	attggcccaa	ggggggggaa	anggcaaaag	gnggttgant	180
ttttggggaa	gnaaaaaccc	ttttaaccg	caaccttggg	cccccccttt	ggcccaaaaa	240
aaaattaatt	nggtttcccc	cttcggg				267

<210> 550
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 550						
agtttcgctc	ttgttgccca	ggctggagtg	caatggcacc	atctcggctc	accacaacct	60
ccacctcccc	agttcaagcg	attctcctcc	cttagtagag	atgggggttc	accatgttgg	120
acaggcttgt	ctcaaactcc	tgacctcatg	atccgcctgc	ctcggcctcc	caaagtgtctg	180
ggattacagg	catgagccac	catgccccgc	ctatctagca	ccttttaaaa	gtctgaatgg	240
gaaacatttg	ccacctattg	cctctaaggg	tggccaccta	tgagacttca	tctacattaa	300
taaaactaca	tacaatttat	ctacataata	a			331

<210> 551
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 551						
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attcaaatag	gaggtggaag	aggaagtgtg	ggagtaatta	ctggattaag	atcactgaaa	120
gacaagattg	tctttaagga	aacagaagac	tgagaagaaa	agaagcttgc	tcaaggtcac	180
atagagctgg	aattttaaat	cagatctatt	atactcttaa	ggactgtgga	aggcttttag	240
agcaaaatct	gatccagaga	ctgtggatgc	tggaggagcc	gtcaaggctg	gggaaagtaa	300
acatgcactt	gtgttcgcaa	tcaacagaaa				330

<210> 552
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 552						
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ctacagtcca	ttactcacag	tgccagcaca	tgtttcctta	aaaagcttca	tcaccatcct	120
cctgcaatgc	gaccttcacc	ggctccccgt	tgccctgcca	ggaggataaa	gtccaagtcc	180
tcctgtggaa	agaagaccct	tcacacgcta	gtcccagcct	gtcttcagcc	cagcccgtg	240
tgtttccttt	cctgccttat	cctaagacat	ccttaccttt	caatcacact	cacttttccg	300
aagcattttt	gaaggtattg	aggagattct				330

<210> 553
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 553						
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ttccgacaat	agttgtttgtg	acctctttgc	ggcaagaaca	gtgatagaac	agacattatc	120

09428674-102799

atcaggagaa	tcagctcgt	aaagccacnt	tcttggcaca	tcaaaggaaa	acctggactt	180
tgaattctct	gtgtgatccc	aagtaccaga	acagccgccc	agcaggggct	ctggaaatgt	240
gccctgaaag	aactcagaca	acaggagacc	ctccttcagc	ttncagggct	tgctggccat	300
ttgcacacag	aaggagcag	ccttgtggtt	tcaaaggg			338

<210> 554
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 554						
gaagctgtca	aaaatgtttg	aaagtcactg	cacaaaagaa	gagtcaccac	tggtcagttt	60
tgcaagtactg	gctaaagcat	tcagatgccc	caagagtcaa	aaacacaata	acgaaatagt	120
gagactccga	ctcaaacaac	aacaacaaca	acaactctca	tctttttgcc	tataaggaat	180
tattcttggc	ctctgttgta	caacttcaag	taaaaggacc	taacctactt	agaagggg	237

<210> 555
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 555						
tcagctacgg	tgaagctatc	taaaccggtg	gctctatgga	cccagcagga	tgtctgcaag	60
tggttgaaga	aacattgtcc	gaatcagtat	cagatctaca	gtgagtcatt	caaacagcat	120
gacataactg	ggcgagccct	gctgagactt	actgacaaaa	agctcgagcg	aatggggatt	180
gccaggaga	acctccggca	gcacatctta	caacaggtgc	tccagctgaa	ggtgcgagaa	240
gaagtcagaa	atctacagtt	actcacacaa	gcattattct	gaggggttct	tccattaaac	300
accggnatgc	cnttccaagc	tgcttgtcct	g			331

<210> 556
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 556						
ctccgcccag	ggagatggag	acagagggcc	aaagagcagg	agatccgctg	gacactcgcc	60
gaagagcggg	agatcgctgg	acactcgccg	ttggcatcat	gtgggggtgct	ccatggcttc	120
caattggcca	aattcttttc	agtgttaaaa	tgctgttaaaa	tataaaacgt	atgtaatttc	180
ttgacaaaaa	ataatactat	ttcagggttg	actctttt			218

<210> 557
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 557						
gccaaagaac	anggaggaag	actgagaaag	aacgtgaagg	ccatctcttt	cccacaggcc	60
cttcgcagga	ggctccggac	tgctccccgc	actgcgagat	gcctctgtga	gccgaggagc	120
tgtaaaacac	gcagcgggcg	gcacatggga	tgccggatgc	caagctgtgt	gcatgggaca	180
gactgagcaa	cccaaaggag	cctgctgtcc	catcaagcac	gtggcagtcg	gggcatccca	240
tggaacaatg	aaccgtgcat	tgtgagtcca	tgtgatgaac	cagcgcatcg	ggagccacnt	300
gggtccttcc	cttcaccctg	catcagtcag				330

<210> 558
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 558						
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atgggaggta	gaatcaaaaag	taccagagcc	caagagccgt	ggaagatggc	tctccgattg	120
ccttcagaca	agcaccctta	cctgaatgct	tgagaataa	acagactgcc	tg	172

<210> 559
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 559
 aggagaatac aacgttttgag atggatgagt aatctgctga agatcactga atgaatgtgc 60
 aaggaaaacca taacataaat ccatgtctct ttctactact caattttttc ctgttactaa 120
 tatcattttt aaaaataata tttatggggt tacaatttat gtttaataag ctttaccat 180
 tttaccacgt tatgacccaa caagaaagcc ttcaccagat gcggccactt gatgttgaac 240
 ttcccagcct ctagaaccac aaggtcagca taatatTTTTT caaactcatg catgctcctg 300
 catatatcaa tagcctcatt tggTTTTTat tgcattg 336

<210> 560
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 560
 ccaacttcag gactgattga tcatgacttc tataaaggag caggcagcaa ttagcaggct 60
 cttaagtttt ttacaggagt gggacaacgc tggcaaagtc gcaaggagtc acatcctcga 120
 caagttcatt gaaaccaacc aaggcaagac tgcccctgaa ctggagcagg agttttccca 180
 gggagccagt ttgttcctgg tacgcttgac caccctcgctt agaactcactg acttacacct 240
 atgggtcccag ctgcttggga ggctgaggag ggaggatcac ttgggccttg gagtttgaag 300
 cttgcagtga gctatgatca caccgctgtg ta 332

<210> 561
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 561
 aaatcatgcc caagttcaaa caacgaagac ggaagctaaa agccaaagcc gaaagattat 60
 tc 62

<210> 562
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 562
 accagctaga ggTTTTatcaa ttttgggacg tgcttccatc tcatctcttc agactcgggtg 60
 tttcaacaat ggcttttgctc ctcatgcacc tctctctgga aggatccctc aatggatgag 120
 tacacctgcc tctggatggc acatgaagcg tgggggcaga atcaatccac attgctgtct 180
 gaatgtagta ccaactgctag aagcagggtca atcaacaacc aggcctacag gaggagggag 240
 gaagaagaga ggctgctcta tgtctctcctt ttgccccttc ccacacacag taagatgaag 300
 atctctttcc ttgcaccctt cagtctcctt tg 332

<210> 563
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 563
 gaggcagctc tcttccagtg cggccttgga aggagatcct acggctgcca ccaggcgcac 60
 cgcattccct cctctccatn cttgatgcc a gactcttccc ggggtgtgatc tgcttatcac 120
 ncgtcccctc tgaggacagc tctgaagacc agcttccctg acttgactg tgagaccagt 180
 ggctgggtctg tttccgttga gtnggggngc cctctttgac tngaccacan tttccttggg 240
 cccatttctt tttccccttc cccctttgaa gaaagtctac ttggncctnn ggggggagcagg 300
 ggggggta 308

<210> 564

09428674-102799

<211> 354
 <212> DNA
 <213> Homo sapiens

<400> 564
 agccagcccc acctcccagc ctectcggca atcagcgtgg ccgtgcgcct gagttctagc 60
 caatgggaga aagtgaagga ctccagagcc cctggagatg gaggatggag gagcctgggt 120
 tcttgnatcc tcacatggaa tgccagccac aaattggcat ttggactcct atatggacaa 180
 ggaataaatt taaatccat taaggctggg tgcagtggct catggctgta atcctactgc 240
 ccttagaaga ccaaaagcag ggaagatcac ttgaggccca ggagtttcaa aaaccaagcc 300
 ttggaccaac attaatgtag accccgtctc tacctaaata aataaataaa tcta 354

<210> 565
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 565
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 aacagaaaac accgtctttc tttttgacta catctgtcct cagagatggg gctgatggat 180
 ccatattataa tttatgtgaa tttaaacctt tgcaattttt acatggaata aaaggaccta 240
 tttnttgaa agaaaatgct gaacaagagc tganaacctg ggggccatct taangcaggg 300
 ggttccttcc ttacaccct gctgtcanaa agccanctgg ttggccattt 350

<210> 566
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 566
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 attnanacgc tcctttactc ttttagacat aagtgtntcn attgntaatn aantntttt 120
 tccaggcccc nccccngtt cattnttgca aaatggactg ngcctengac ntcctcnaa 180
 aatgttcaac ctt 193

<210> 567
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 567
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 ggaaggaaag cctctgccct tcagacttct tcatccctga gttgagtttc atggaaaagc 120
 agcctctggg agtaacaagt acagatgcag tttcaccatg ttagccagga tggctctgat 180
 ctcttgacct tgtgatccac ctgcctcggc ctcccagagt tctgagatga cagggtgtgag 240
 ccactgcacc tggccaataa ttttattttt aaacatgtaa gattctatct ctgaataatt 300
 agttaaacct 310

<210> 568
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 568
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 acactatctc caaggcaaat ggattcccca ggcagatgag aagatcacat tactcatgtt 120
 caaaatatta cccagttgc acaagtattg tggaattttg tgcattngnn ggnagacaac 180
 tggttcttta tcttcttcca atgtcaaaaag taaatttggg gattataact ttggcaatat 240
 attttaagca gaattagtat attatgtaac atgttttatg aacatncctt attaaaattt 300
 tgggttatgg actcctt 317

<210> 569
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 569
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 aatttacacc taaccctatt tcatgttttg ccaacaatgt atccatggaa ggacccttca 180
 tgtgagattc caactgcatt ctaaactctc agaggacatt ctgcatgccc tggggtgtaa 240
 gcaatgccat gagatgtaaa tcccttgtag agaacagcaa gtaggcagct tnaccttggg 300
 cttcaccacc ttcatgaaga ctctctgac caacgcct 338

<210> 570
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 570
 tatccgcact atgaaagttc ntgaaccaac cgactacttt agnaggaaac aaatggncat 60
 tgatgtcctt caccctcggg taaggcggac agtgcctaag acaagaaaat ttccgggggaa 120
 anaactngcc caaaaatngt tacaaaggac ccaccaccgg gtatgntcat cttttgtatt 180
 ttggggattt canaaannc atttttttgg ntgnnggggg gcnaaagnac aaaacnttgg 240
 gcttttttgg gcnantgaat tttttattgg aatttcccc ntggggattt tatttgccca 300
 naaaaggaaa aaaaaattgg aaancccccc aanaaacat tntgaanctt ttggccaaag 360
 aaanaattng ggcccntngt tttttgngat ggaaangna aaaaaaggg accccttncc 420
 aatgtaaaaa aaggcccaan ccccgaaaaa ggggggaacc cgcc 464

<210> 571
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 571
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 cctcctgggt tcaagcgatt atcctgcctc agccgcccc gtatctggga ttacagcagg 120
 tacctgtctac ttctcatgct tcattgtgaag aacaagatct ggggtccagct caacaaatac 180
 ttgaacaaag aatgaagtaa gcagaccagt gtaaagagaa tgcctcatal aaagttcaga 240
 ggcccaggag atagaagctg gtaaaaccat tcaccaagaa gccaaagccgt ggaaaaaaaag 300
 ganggggtgcc ccaccagga aatgactgca tgcaaacaga gcttggttat agtggggc 358

<210> 572
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 572
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 gactaacatc caaaggcata gaaattgaca gcnaatacnc aataaaacag gaactcccag 120
 atcgaatgcc cacgtggaaa agtcatngag agagaaactg actcaaagca tccgctgtgt 180
 tccggggcca tttgnngggg caggatgggg gttaccgagg agtggtnttg ggccatgagc 240
 acgggcnngc ggggtgatcct cacctcccaa ctgggggtgcc ttcaaaaact ttagtaaac 300
 tccctgtgac tncgcttctt cngaacacn gtggnntgcgg gaggattc 348

<210> 573
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 573
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 cagaaaacca agcactgcat gttcccactt ataagtgaga gctgaacgag cagaacacat 120

ggacatatga	aggggaacaa	cacactctgg	ggcctgtgag	gtgcagggag	agcatcaaga	180
agaacagctg	gtgggtgctg	ggcttaatac	ctgggtgatg	ggttgatctt	gtgcggcaaa	240
ccaccatggc	acacatttac	ctatgtaacn	aaccttgaca	tcttgacat	tgtaccccnng	300
gactttaaaa	ataaaagtgt	gncaaaaaga	aaaccttaac	ttacttttaa	aaaaaaaggt	360

<210> 574
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 574						
ggtgagaacc	actacaggac	aaaaatgagc	tccttttttc	cagtctcagc	ccaggaggga	60
tcttcacaga	gaaagcaagc	ccagcccatc	cccacagctg	gctccctggg	gcccattctg	120
aaaggctgga	cccacctga	cctgtccctg	cccgaaggac	tgccctggga	gggatggcct	180
accaacactg	tgactcagtc	cttccaacat	gccaacagg	tcaattctgg	gatattcctt	240
acaggaatta	atgagagcac	attgccggta	atgttggcat	taataaaaata	acatttaaata	300
ttaaaaattc	cttt					314

<210> 575
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 575						
ctccccatta	tggtctcgca	accagggtggc	gctaaagaga	gaccctggaa	ggatgcggga	60
ggaagcggag	acctgctgtg	tgcttgctgt	ggccctaagc	ttggcagttg	gaccctcagt	120
cggccccagt	ctcccgtgtg	gtgtcacccc	gtacttccag	aaccagcctc	atcttgcccc	180
tcagaggtag	ctgctccagc	ctggtgacac	tccttccgaa	caagttctaa	tctcaccctc	240
ccatttgacc	cccaagcccc	aggggtacag	gcttctctgat	accttaaggg	cctccctttc	300
tgctttctg	gtttttggta	accagcaaac	agttatttct	attaaattct	ctccatcatt	360
gtg						363

<210> 576
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 576						
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gtttgaaagg	agtctgggtt	ggaggagagc	tacaggcgga	tcaggaacac	ccatcttgga	120
tttgacctga	gtgaaaaata	aactgcaatc	attatgttaa	aacacttgca	tatttggggg	180
gattttttgt	ttatcttggg	aaaatgcnca	ttaacctcta	ttgtcataat	aaaaatcctt	240
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<210> 577
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 577						
aaacaccaac	cattgaggtt	gagaccattt	ccagaggaag	aagcatgggg	ccatcattta	60
ttaaaattta	tgaaatgttt	tgcgt				85

<210> 578
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 578						
ttcttcatct	gctgactatg	aaacgattct	agattgtttg	ccaactaaat	gtgatgcttt	60
cccaatcaac	tacggcaggc	cagatggcac	tttcaattct	acgggctccc	tctgtggtgg	120
gtaaacgtgc	agagaagact	ggaacactgt	cttcaggagg	cctaggttac	actgatccca	180

gcacagcact	tcctaccaag	taaagatcaa	ttttaaaaaat	gaatgaagtc	aaactgaaaaa	240
gctcccaatg	gccaaagctg	gaacaatttg	agcaaagaat	aaaggtatgn	tnggntnta	300
nccagaaga	caaaataaat					320

<210> 579
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 579						
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ngaacaactt	ccctaantct	ngcccatccc	cttcaagcca	atngcttaat	ccaacttcaa	120
agccttttct	tccaacaaa	acaattcccc	cttngcttca	aagccaaaac	ttactgggg	180
tttttngtgg	ggggccaaca	accaagaaaa	gngtggcccc	caaaagcccc	ccctngttgg	240
cggaagnaaa	aaaggggttc	cttggggcaa	gccccaaaag	ttggcctttt	ttggaccaat	300
tggccccaag	tnggttcccc	cttgggggaat	gggggggaag	aataaccccc	aaaccaccca	360
aattcccaac	cccccaagn	gggaaggggt	tgggggtaac	caaaatttaa	ccaaaaccct	420
tgggggggaa	ggaaccttgg	gggggggaat	tggaaacccc	ggggtttttc	ctttcccctt	480
ttttcccng	ggnaaaggcc	nttttttccc	cngggnaaaa	nttggggggc	caatttgggt	540
tnggggggcn	tttttttttc	ccccttggn	gggggaang	gggaaaaaaa	cccttggggg	600
gggggggaaa	aagnaaaaaa	ccccccaang	gggggggggg	aaggaggatt	gg	652

<210> 580
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 580						
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acagaaatac	cttgcgccct	ggttgctttt	ctgtgctaga	atcactccag	acttcaatca	120
tcagcctgct	acaagccact	cccaagcctg	ggacttaatc	gccagcagaa	agcacgtcca	180
cacgtcctct	gttacctcct	ctagatgcta	aggaatgtga	ctccaagaag	attcaaatag	240
caggatccta	cagcgttctg	ccatcatctt	attcaacaaa	agtcttttgg	tttnacaaan	300
acccattcat	atct					314

<210> 581
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 581						
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gaagctgttg	gggccatgct	gttggggcca	gagcctacgt	atgcaactgc	tccagtgtgc	120
atggggagaa	agcaaccac	atcgactgct	gcaatgagac	agctgctttt	cctgtgtttg	180
ggcaccgaat	catctcatca	gccccactgt	gcaagttttc	tcctctccat	ctcaaagatg	240
tgggcaccga	gcctcccatg	gaataagtaa	tttccttggg	gtcacacaac	ttanctaagn	300
ggcagccctt	nggatccaaa	ttgtaaag				328

<210> 582
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 582						
ggtaaaacac	cctcaaggat	gggcactgca	caagactgta	acaacaagga	acgtggcttt	60
gcacctccc	agcaacaaag	tctaccacgg	atcccccccc	actctgattt	cggctcagcc	120
gagaacttga	aataacgggc	ccactgcctc	tgctccacga	ggatccatgc	catcatggca	180
ctttgggagg	cctgtcacga	gttacacagg	cctaggctgc	ccacacccca	gctcagcaga	240
aaaagagaac	tgcaatccaa	gtcagacaga	tcctgcctgg	gcntttccgc	aaaaagcctg	300
gagagtctga	ccagcaaaga	aaca				324

<210> 583

<211> 238
<212> DNA
<213> Homo sapiens

<400> 583
gttctgtttt aaaattcttc cagtgtccag ttgccaatgg gattaaaagg aaaacgatga 60
ggaaaaagtt atctgaggtc aatctgcaat ggaatatgtt ctttctctgc ctgcttagat 120
gtcttctgat agtcacgaat tgattttag tagtacttct gtaatatcta tatgcatgtg 180
aagcactgtc tgatgttaaa atataaacat catctatagt aataaactga gacactgc 238

<210> 584
<211> 427
<212> DNA
<213> Homo sapiens

<400> 584
gaactagaga gtggtgtaca caatccctag cagtactgac cctgcttggt ggacttaacc 60
ctgaagtcac aggtaatgtt atttaggaaa agtatctctg caatacacat actcttttag 120
tacaggtagt aggagctagt taggcttaga gcagtcctac ctcttagcca tcagtacacc 180
aaccaagaac catctttacc ataggaagag gaaagaaaga gccaagagng naagcctagt 240
ctagagtcta gagtaggatt aatntaccaa gccatagggg attttattcc tagtagccac 300
caagttttcc tccaaaaagg aaatccaagt ttagngtngn ggaaaaggaa atttcaaatt 360
ttgnggctta ttttgcccca tttggtaaat tccaaccacc tttttcccc aattttaatt 420
ctccaat 427

<210> 585
<211> 459
<212> DNA
<213> Homo sapiens

<400> 585
gtgggatgcc tccatgagct ccaacaggca gcctcgccgg cctcccagct ctgctcagtt 60
gctcagcacc ccatggagaa ggtgaagccc ataatgaaca cactgccctg gccacttact 120
tctccaacc aaagaagccc tcatctcccg ggcctagacc atttccggag accagcttgt 180
gacagagcca caacctccgg tcaactctgtc agctatctgc agttcctcct ttttcccttc 240
ctctctcccc tcataaacia tgactgttga tgtttccact agctacagat gctgatgcca 300
agattagctt tgggtcaagat gatattctcc atcctccaaa acaatgacca aaatgtttta 360
ttttatggct aggaacttta ctttctttca tatgaaatat ttaatgnatt tttcactgng 420
ctcatttttg ntttgngngg ggataggtta tagcaaac 459

<210> 586
<211> 433
<212> DNA
<213> Homo sapiens

<400> 586
gagatgggga aacgaatcca gaggttaatg atatgtccac cataactcaa ctatcaagat 60
cctcaagtca gtgctctttc cttcatgtcc tcaggagttc tccagggaca ctgtaaagat 120
gagaaggagg ttgcacggtc tgaatgtttg tgtccttcca aaattcacat gttaacactg 180
aatcctcaat gtgatagtgt taagaggtgg ggccgctggg aagggattag atcatgagga 240
cagagcccta atgactggga ttagtaccct tataaatgag gcccagaga gctgtccctt 300
ccaccatgtg aggattcagt gagaagggtg tgctgatgaa ccagaaagca ggccctcatc 360
agagaaagga tttgccagca cctgatctt ggactttcca gcctccagaa ccatagtaaa 420
tatacttctg ttg 433

<210> 587
<211> 525
<212> DNA
<213> Homo sapiens

<400> 587
ggtctctctn tgttgccag gctggagtgc agtgggtgca tcatggctca ctacagcctc 60

gacctcctgg	ttcaagtga	tctccgcct	cagcctccca	agtagctggg	acttcaggca	120
cacaccacca	tgcttggtta	atttctgcat	tttttataga	tacaggggtt	tgccgtgttg	180
cagactgac	tcaactcctg	aactcaagcg	atcctcttgc	ctcagcctcc	caaaccgctg	240
ggattacagg	catgaaccac	tgagcccagc	tgccctttcac	acttctactg	tgcattagaa	300
tcacccaaa	agcttggtta	gacagattcc	caggctgcaa	tcttgagggc	ctactggctt	360
agtagctctg	ggctgaggcc	tgagaatatg	cattcctaag	aaacctcagg	tgaggctgat	420
gctgctgtgt	gtggactgct	angctangac	angggttnt	tttttcctaa	aaaanggggt	480
aaattttttg	accncaantt	tnttataggg	tatttttaaa	aggga		525

<210> 588
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 588						
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atgagaagtg	cccctataag	agaaagacga	ggagaagaca	cagacgcaga	gaaggcgacg	120
tgaaaatgga	ggtggacatt	gaagtgcgc	agtcacaaac	caaggaatac	ctggagccac	180
tggaagctga	aagatgcaag	gaaggattct	ctccttgagc	ctttggagag	aatccggctc	240
tgccgacacc	ttgatatcgg	gctgctggct	tccaaaacat	gagagcatat	atttctgttg	300
ttttcagccc	ccaagtttgt	agggattggg	tacagctgcc	ccaggaacat	aatacatgat	360
tgaagaccag	cttttaatat	acaaacccta	gtacaaggca	ctgcaaacct	cagagatcct	420
cacacaaaaa	ngnnatttta	accnctttaa	aaggnaaaaa	atcttttttc	ccncccntnn	480
aaagggnntn	ncccnaggnc	cttgaggggt	tataatataa	gagg		524

<210> 589
 <211> 551
 <212> DNA
 <213> Homo sapiens

<400> 589						
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gcttgcttcg	agtccaggga	agcaagaaaa	cagatctgat	ccccctgtgg	agtgtggagt	120
aggggcactg	cccttgatgg	tgggagtga	accaacttgt	ttgcagataa	gattgccgag	180
acaattccaa	tggggaaaag	aagtctttcc	aaacatgctg	ctgggacaac	tggaatctta	240
catgcaaaa	aatgaacttg	aactactatt	tcacactata	ttaaaacaat	tatcaattat	300
tttgtgactg	aaggcaatta	agaagcagca	aatggaaaaa	gctctcgctg	tcttccccct	360
ttctgcctca	aggnaggata	taaattctcg	tttactggac	acaactctag	actctattca	420
cccnagaaa	gcaccncaaa	aatatnttna	cnaacgcttt	tntttttttt	tcccccccca	480
ataangtttt	tcccccantg	gtttcccccc	nnaaaggaaa	agggttcct	ttggccnngc	540
atttttttta	a					551

<210> 590
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 590						
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aacatgcaga	gacagagtct	cactctgttg	ccaggctgga	gtgcaataat	gccatctcga	120
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ctgggactac	aggcacgtgc	caccacgccc	agctaatttt	tgtattttta	ggggggacag	240
agtttcacca	tggtggccaa	gatggtcttg	atctcttgac	cttgnatcc	gccacctca	300
gcttcccaaa	gngntgggat	tacaggcatg	agccactgcg	cccagcccat	acataagaat	360
tttaagtcnc	nncatgcctc	cnttantnaa	aaaaccttnt	taggaaaaga	gaatcagatt	420
ttttcgttgg	agtgcctaca	atggatgaat	ccttttagca	tcattatctc	attttaattt	480
gcaagccaat	ttttaagaaa					500

<210> 591
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 591
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actgtggggg acctctagga gctgagagca gccccacct gagaaccagc aagaaaatag 120
agaataagcc tggaagcaac ttttcccca aagcctccag acaagacctc agcctgacca 180
acgccttgac ttcagcttgg tgatatcctg ggcagagaac tgagccatgg cttgtcatgc 240
cagcattctg acctacacaa ctgtgagcca gtaaacaggt gaaccagtgc ttgattagct 300
acgtttcctg tttctgcatt ggtgatcatg gaaacaaatg ctgagaagga gcctctgctg 360
cctgggtacc gtgaatgacc acggtgaaca agagggctca gtaaggaacc ctgcngactg 420
ggtttaacta ctgtagnngg ggnngacaat cttntttttt aaaaangggg gacntttggg 480
gaaaaaaan tttcccntt ggggngtga aaaaaaacc acccag 526

<210> 592
<211> 521
<212> DNA
<213> Homo sapiens

<400> 592
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accatagaga aaatccagggt tcaataaaaa ggctaataat tcacagaaat atcctgggat 120
caaagagaag accctgtggc ctcatgggac attagtaggt gccttggag aagcagaggc 180
aggagacaca aaggacttca agtgattgga acaagaactg tagaagacat acctaagcac 240
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ctcaggggtg ccccttgacg tcctctgctg agtcaactct ctgcttgga gcctcttgct 360
catagctgac tcagggcaga aaggtgattg attgccttaa gagccttccc ctgacctctc 420
actcgntnt tctttcttcc cccacctntt ttcanaagnc cccntaaaa cccaagggtt 480
tttccaaaag gccttttttc ntttgcaaaa acaaaaccag t 521

<210> 593
<211> 392
<212> DNA
<213> Homo sapiens

<400> 593
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tgctgtccc cagaccgggt gtggaatcag tgctcccagg ttcttctggt taatacaaca 120
gagcaaacc ctgaaggctg ccgctaaaaag gcagaaacca ttactttcca actatctgat 180
acggnntggc tgtgtcccca tccaaatctc atcttgaatt gtaactcccg tgattccac 240
ccccaccca aaatctggcc attaaactgg ccccaaaact ggccataaaa aaaactctct 300
gcagactgt gacatgttca tgatggcatg acgcccagtc tggaagggtg tgggtgtacc 360
ggaatgaggg caaggaacac caagcccacc ca 392

<210> 594
<211> 460
<212> DNA
<213> Homo sapiens

<400> 594
gtttttcaga cttcctgaca tggcaactgg cttcaaagag agcggaaatg gaagttgcca 60
gcgttcttaa gacgttgatg tttttcaagt tcattttgaa attcccttct ctttctttat 120
tcaagaagat caacacacag ctaatcatca ccacaaagag tactgcaatc aatataagaa 180
tacctaccct cctgggtaca agccaaggct ggcttcccag gaatcctcan ggtttgccag 240
cctttgtgcc tgtgccccac ttccctcttg aggtgtgggc ttggactgaa agggcgtgac 300
ctctttggat ccactttgga aatcctccag cttcttgcaa ttggttttat taaaanacca 360
ttntgcnttc ttgggnaaaa tttaatggcc ttctcttntt tgaactttgg aaattctttn 420
attgaaaaaa aaaaataaaa ancccnnggg tttttttggg 460

<210> 595
<211> 466
<212> DNA
<213> Homo sapiens

<400> 595

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agcaaaggca	tcacagaaag	ggaaaattaa	cagttccatc	ttcaaggggc	atgtgtgtgt	180
gtgagtggcc	atgcagatac	acatgtgcta	caagatgaag	tagaagaata	attctcacat	240
gaaggcaaat	cagggatgaa	aagaagctac	ctctacacaa	caaggtgaaa	atctaagggc	300
ctcgagtaat	gtgccccctc	ccaaagcatt	attatttctaa	gggcagaact	gaactattag	360
gattacattt	tcaatccaaa	atttignaatt	aaatgnaatg	ggnattttta	aaaatgaatt	420
aangggcccg	gaaaangggg	nggtttcaca	aaacattaaa	tcactt		466

<210> 596
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 596						
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gtaaatTTTT	ttgaggaggt	gtctccatgc	ttggcatgaa	aaccagggga	ggaaaataca	120
agatgcccta	ctgtgnacag	tgaagtgggg	ttttggaaga	tgtgctccag	agaacggcgt	180
ctggggcccc	acaatctccc	catgtttgcac	agactctctc	tgactcctgt	gatctggccc	240
tggctgtcct	ggaatactac	cctctactcc	aacagaattt	ttaattgttc	cacagtgtat	300
ttatgtacat	tgttatctga	gcctctgagt	aaagcaaaac	aggcatg		347

<210> 597
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 597						
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tgttcctgtg	gttgtgattt	naacccaagt	gctagtagaa	ttgagcactt	agtttccctgg	120
ttatgttatt	aaaccgaaat	tcggattggc	ctccctaggt	ccctatatatt	gacaatggcc	180
acactgtgct	gccaggaaca	gacactggaa	atatcagtgc	ctcctttcac	tctccaatcc	240
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<210> 598
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ctccagcctg	ggcaacaaa	caacactatg	ttttaaataa	ataaataagt	gctgagatct	360
caagaaaaata	caatgcctag	cttcagaata	ccatatatta	tatattcata	tggntataaa	420
ngnatccnc	cntggttnt	ntgcttaaan	gaanngactt	tcnttttata	gtgatgccag	480
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 <213> Homo sapiens

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ccaaggcctg	cagctttgat	aagaaggcag	gagtttttgg	aggagagcgt	cgtgttcgtc	180
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tctcttcaat	tcattt	aggaagaaaa	gctttgataa	agaaactt	caagaacttt	300
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aatgtgagca	aaatgaattt	cattttatgt	taatagggat	tatccttntg	atgaaatcca	420
ggttttttta	canttnncng	anatnggggt	ggnttttttc	aaaattcatt	gaantttgnt	480
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 <212> DNA
 <213> Homo sapiens

<400> 600						
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gacagtctcn	atcncctgac	ctcatgatnc	accacacctca	gtctcccaaa	gngctgggat	240
tacaggcggt	agccacgtgc	ccaagcctaa	agntttctaa	tatatgccaa	aggaaaagtn	300
cnaaaactaa	tcactnttaa	agacaatacn	cgatnatatt	ttcatgntta	taatantacc	360
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 <212> DNA
 <213> Homo sapiens

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cccggcaata	atgtctagaa	cgtgagccat	tcgtgtgatg	accgaggtta	ctgtatatatt	300
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<210> 602
 <211> 352
 <212> DNA
 <213> Homo sapiens

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cgagtggagt	ttgggggattt	catttggggt	taggctgatc	ccctcgggtg	cccagtgcata	300
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<210> 603
 <211> 352
 <212> DNA
 <213> Homo sapiens

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<210> 604

<211> 184
 <212> DNA
 <213> Homo sapiens

<400> 604
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 aatgcaccgg gacaggatca gcccttcaaa ttctcccacg tggtcctgc aggtcttctc 180
 caag 184

<210> 605
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 605
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 cctgaggatt ttgtggagta catccatacc agcccatata ggctgactgc agacattaat 240
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 gaacccttga ancctgaaaa agttaaatga agtncattag gattgggggt aaaagtactg 420
 gctttaaagt taagtaaacc ttgtctc 447

<210> 606
 <211> 636
 <212> DNA
 <213> Homo sapiens

<400> 606
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<210> 607
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 607
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 tctccctgtg acatagcatt tgatgtccac tgggttctag ttatgtctat ataagtacaa 420
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<210> 608
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 608
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cagcgtccaa tttccccttt gttccctgtt taataacaat agcaaaccctt aatttc 176

<210> 609
<211> 578
<212> DNA
<213> Homo sapiens

<400> 609
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actgagatcc agaagcaggt cccaagtcaa taactttc 578

<210> 610
<211> 494
<212> DNA
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<400> 610
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<210> 611
<211> 447
<212> DNA
<213> Homo sapiens

<400> 611
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aggacttgac tggatgaagt aactgacagc ttccctaatt tttggnccta cttccaacag 420
aagaacaacc agagaaagcc aagtatg 447

<210> 612
<211> 668
<212> DNA
<213> Homo sapiens

<400> 612
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tctaggggct	tccgcagcat	gccttggcgt	gccttggcct	gtggctgcat	tactccaatc	420
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atccttaact	taaagtacac	cacaaaagtc	ccttttgcca	aatgaaataa	cactcaccat	600
ttccgangat	aaagacttgg	atacatcttt	tgggangnca	ccattcaaca	cactacacta	660
ataaatat						668

<210> 613
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 613						
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aacatcactg	cagatctctg	cagtcgggtt	catcaaatat	tcaacaaagc	acggctttca	240
aatcaaata	aaaaagcttt	ggttacagct				270

<210> 614
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 614						
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gtttcactcc	ctcaggacca	gcnnagacca	cagactaaaa	ttntaacctg	gacnaaaaga	120
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<210> 615
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 615						
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<210> 616
 <211> 660
 <212> DNA
 <213> Homo sapiens

<400> 616						
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<210> 617
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 617						
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<210> 618
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 618						
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<210> 619
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 619						
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<210> 620
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 620						
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<210> 621
 <211> 312

<212> DNA
<213> Homo sapiens

<400> 621
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agaatcatat tg 312

<210> 622
<211> 543
<212> DNA
<213> Homo sapiens

<400> 622
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agg 543

<210> 623
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<212> DNA
<213> Homo sapiens

<400> 623
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<210> 624
<211> 404
<212> DNA
<213> Homo sapiens

<400> 624
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cttatctcaa gctgatttca actcttcagg cagagcttaa ccctttcaac caattgccaa 180
tcaggaaatc tttgaatcca cccatgactt gtaagtccc ccacttgagc ttgcccaacc 240
tttctgcaat gaaccaatgc atatctcaca tattgatatg tcttatgtct ccctaaaaca 300
cataaaacca agctgtaacc caactacctt gggcatgtgt gctcaaggct gtggtcatgg 360
atcatgatcc ttaatctttg caaaataaac ttttaaatte attg 404

<210> 625

<211> 369
<212> DNA
<213> Homo sapiens

<400> 625
gctaattcct caaaacacta ctttcacctc attgctcctt tgctcaaaag cctacttggt 60
gcatagcaca gcatccaaca cagagaagga acacagctgg actctatttc cttagccttcc 120
tttgaggag gatgtggcca gtgaaatgtg ggcagaaagt atgtgcacca cttccaggta 180
tggttgacag aaacctgctg ccttacataa tcattcgtct tctttcctct tctgctgtga 240
ctttagaagt ggtgaagatg gcacagccac aagatggaaa aagacaaaac tgcttgagag 300
attcaccac taggaacacc tattttgaac ttgacataat caaaaaataa cttcagttgg 360
ttttaaggc 369

<210> 626
<211> 371
<212> DNA
<213> Homo sapiens

<400> 626
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gatacatgca ccctttctaa gcagcaaaac tgggttcaaa tcttcggcta catcacttat 120
gtgagatgaa gtcccactat attgccaaag ctggacttga atccctaagc tcaagtagtg 180
ttcccacctc accctcccaa gtaactgaga ctacagggtg acaccactgt accagcataa 240
ttgcatatct tatcaatcaa tccacagcca ctaaatacct actgaggtat ctgtgtcccc 300
tggtgctttt ccaagagctt tcaatatggt tagatttggt tattaaattt gcataaatat 360
gtgatatgag t 371

<210> 627
<211> 561
<212> DNA
<213> Homo sapiens

<400> 627
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tggtccgtcc tgaagtcaaa aagttcaggg agcttcagcc ctggtgggtg aaggagaga 120
tttgagact tctttcctat gtgatgtcct ctccgtggat tggtttgta agctgacggc 180
catgaccca gaggggaagc tggttagagaa acgctgtcgc ccatttgta accagacacg 240
tccactccag tggttctccac agctactcca tgaggcggac agcagcagcc ccactttgct 300
gacgggaaac ctgccacacg gtccccagca ggggaagggc tgggtggga ctcagaccca 360
gagagcgact gtctggtgga tccaaagtca ggagttgctc gtctaccttg agtccaaaaa 420
ggtcgagaca agcagtcaca gaagtggcaa gagaaagttt ggggaaggcag aaaaaacact 480
cctgangtga ctggtcacct gctcactcca aaaatgttac ctttanggtt aagcttttaa 540
taaaccaagc taataaaatc t 561

<210> 628
<211> 389
<212> DNA
<213> Homo sapiens

<400> 628
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tcctccacc tcagcctccc aagtagctga gacaacagat gtgtgctatg aagaccagct 120
aatttttctt ttcatttttt gtagagatgg ggggtctcct atgttgccca ggctggtctc 180
aaactcctgg cctcaagcaa tctcccatc tctgcctccc aaagtgctgg gattacagc 240
atgagccacc atgcccagca gagggaaatt tatttagaga gaaaagagga cattcacttg 300
gtgttcttca acagctaacc cagatgacca aaacctctt tcagaagccc ttaacatatc 360
ctgcaacagc aaaaaaagg tgtttatac 389

<210> 629
<211> 204
<212> DNA
<213> Homo sapiens

<400> 629
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 acagtgtctg tcacataaag atggcccaca aaacttcaat gacagaagag ggaaaggaaa 120
 gaagtctgac agatatctaa ctatatccaa gaaagacatg aaaattcatt gatttataaa 180
 tttgcatata aaatgtaaag aaag 204

<210> 630
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 630
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 agtattccct ttggcaccac caccacctg gaacaaagcc tgatgtaaag tctgggtgcg 120
 actcagaccg gcctgggaaa gaatttattt aataaatggt ggaaagtggc ttc 173

<210> 631
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 631
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 aaggggaaca cttaatggct cacgcctgta atcccagcac tttgggaggc cgaggcggaa 120
 ggatcacctg agcccaggag ttggagacca gcctgggcaa cagattgaga ccctgtctca 180
 acaagaaga agaagaagaa aaaggccagg cgccgtggct aatgtctgta atcccagcac 240
 tttgggaggc caagaaggga gaactgcttg aggccaggag ttcgagacca gcctggtcaa 300
 catagcgaga cccccccc atctcaaaaa taaataaatc aaaataaaaa ataaagagg 359

<210> 632
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 632
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 tggctttaga aagcaaaaga aaaatttttt attaagaaat gaaaagaaaa aagacgcagt 120
 atggactcag actgataaac catttgcatg agagaactat caccatttga aaaagagctt 180
 ttttgcaagg tgtgtgtggct aactcctgta accctggcaa ctcgaaaggc tgaggcagga 240
 ggatcacttg gggccaggag gtggagacca gctggcaatc agcaagatcc tgtctctaaa 300
 taaagaacca at 312

<210> 633
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 633
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 ttcagtccca ctatacttga ccggattacc cacacaaagt gcagcaagaa tcaactgtcaa 120
 tataagatct cctaaagtgg ctttgcctgga acctctcaca aagaatctca gacttaacct 180
 ccaatagcct cttgagccaa gccaaagatg catctgcact tgcagatacc tacatggatt 240
 tggaaaatcc ctctcttcat gaggcctcag aacaacttga agttcatggg cctgtcagaa 300
 agtggcactc taggccagcg cagtggctca cacctgaaat ccagcactt tgggagactg 360
 aggcgggcgg atcacctg 378

<210> 634
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 634

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aagcacataa	ggcacgtggg	atggccaggg	gcctccagca	caggaaggcc	ccgagtgaag	120
gcctagcaga	gttaagcgac	tgtacgacat	gctgaaaggg	atcagtgatt	tctcctgcag	180
ccagttccaa	cctgctgaaa	ggaacactga	gaaaatatat	ggactcagta	aacctgagct	240
gcctccaatg	gcctcactca	ctccaaccct	caactttgca	atgctggaat	gctgagatta	300
tcgtccacaa	ggagcagaag	ctttcataga	ggaacccatc	gacgtggctc	ctgccaaagt	360
cctcaacagg	gcttcgaaa					379

<210> 635
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 635						
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tcaaattggaa	accagattgc	acttggtcac	tgacgaagca	ggagattaaa	caagctacac	120
tgtgtctctg	ggagaacaaa	aagccaaaag	gcacatttat	cacctctgaa	tcacaatgga	180
gtctcactct	gtcaccagg	ctgcagtgc	gtgggtgccat	ctgggctcac	tgcaacctcc	240
gcctcccggg	ttcaagcgat	tctcccacct	caacctcccc	agtagctggg	attacaggcg	300
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ccaggatggt	ttctaa					376

<210> 636
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 636						
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aaaggatctg	ttccanacct	ctctccttta	ctttgtggat	ggccgccttg	ccccctgtgc	120
ctcaccta	cttccctctg	tacgtgtgtc	caaatttcct	ctttttataa	agatgccact	180
catattagat	ttg					193

<210> 637
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 637						
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atagcctgcc	atnngcaaca	tncatggntg	ganctnnaag	acnttannct	gagtgaagaa	120
agccagacac	agaagcacaa	atattgcatg	atcccacttt	tataagggaat	ctgaaatatt	180
caaagtggta	gaaccaaaga	gtggaaaggt	ggtttccaga	atagttgctg	gagaagggag	240
aaatggggag	gagtgtattca	aaaggtacaa	agtgtttata	tgcaagatga	ataaattctg	300
gacaaaagag	ggcctctagt	taacaataat	gttttattat	acctaacatt	ttgctaagaa	360
aatagaactt	acgttaaagt	ttcttaccac	aaaagtaaaa	aaaatttttag	aaatttaaaa	420
ataattgtag	tgagccaaga	tcgtgccatt	gccttcaacc	tgggtgacat	a	471

<210> 638
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 638						
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ggatgaacat	ctcttggtatg	gatgggactg	aaactgaacc	ttgaaagata	atgctgagcc	120
tggataagtg	ccccaccgtc	cctctgcccc	aattcaaate	cttcatggcc	cagtgcacaa	180
aacttctcaa	aagccccaaa	catctttgtc	taacaggaag	cttttagctt	ttttactgtt	240
ttgacattca	tttcccactt	agtattatgc	ttacttgtgt	attaaccttg	tcacccttac	300
tagactataa	aattcttaaa	aacagg				326

<210> 639

<211> 289
<212> DNA
<213> Homo sapiens

<400> 639
agacgaggtc ttgccacatt gctcaggctg gtcttgaact cctggactca agcaattctt 60
ccactgtagc ctcttgaggt ggcaggatta cagcataagc caccatgcct ggccctcagtc 120
acacttttga aaagaagact atggatctac atgttcattt tgtggtcgaa ttataaccaa 180
cacgccactc tatctgcctc cactctgctt tttccatgcc tgtacttaaa tgcttctcag 240
aatttttaat gtacctccct gccttttggc atagatttta tactcactg 289

<210> 640
<211> 254
<212> DNA
<213> Homo sapiens

<400> 640
tctgataggt ggaagaagac aactctcaga taagacttaa gactttggac ttgacactgg 60
aatgagttca cagagtgaga gctggtggtt taagaaagcc tggcatctcc cttgatccct 120
ttctcttcat gtgatatgcc ctgttgccct ctgccatgac tggaagcttc cagtggcctc 180
gccaagaaca gatgccagaa ctatgcttcc tgtacagcct gtagaacccat gccaaataaa 240
cctcttcata aatg 254

<210> 641
<211> 285
<212> DNA
<213> Homo sapiens

<400> 641
ggancgnagg atgcgtgac acagctcact gnagcttcaa tccccggctc cagtgattct 60
cccacctcag cccccgagta gccttttgag cagggttcagt ctgggttaagt ccaanctgaa 120
ttggggccaat tgttttgatt tttaccctgg atgaaatact catatccatc atnntttatt 180
aaccccccat ntnttacaca tntggcngca agtactggga ttcaggcaag agccaccgcg 240
tctagccaat tatacaattt ttaaaataaa ttgaaatggt cgttg 285

<210> 642
<211> 290
<212> DNA
<213> Homo sapiens

<400> 642
aggattggca acgtaattca caaggcccag tggaaaatga aaatgcagga ctcttgctta 60
aaaataatta tgaagaattt caagatagca gagcattaaa tcactcacat agctccattg 120
cgtgaggggc tctgtgcaac tgtatgggtc acatgcccac gaaatggccc tgctgctaca 180
agagacaaga aagatcacct ctctgtatc agttcccata ttaatcaccc cattttgacc 240
attctacaaa tgtaactgt tatgcttggt attaaaaatt catcaagtgc 290

<210> 643
<211> 331
<212> DNA
<213> Homo sapiens

<400> 643
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gaaaagaaaa ggaaagaaaa gaagaagaaa gaaagaagac aaccctgtaa gcttgctgca 120
tcagtggact ctctctttca caaaacattt ttctgtagta tgctatgctg ttgacagca 180
ttttactcac agtagaactg ctttcaaaat tggagtcagt cctctcaggc cttgccaata 240
ctttctcaac taagtttatg tagtattgta attcctttgt tgtcatttaa acaatgttca 300
tagcatcttc gccaggaata gattccatct c 331

<210> 644
<211> 401

<212> DNA
<213> Homo sapiens

<400> 644

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gaactaggag	agagaaggac	gtggacagga	ggaggtgttt	gactagaagt	gcgtccaacc	120
aggccgggca	cagtggctta	cgcctgtaat	cccagcactt	tgagaggccg	aggcgggagg	180
atcacctgag	gtcaggagtt	cgggaccagc	ctggccaaca	tggtgaaacc	ccgtctacta	240
aaaatacaaa	aattagctgg	gcgtgggtgg	gcacgcctgt	agtcccagct	actcgggagg	300
ctgaagcacg	agaatcgctt	gaacctggga	ggcgcagggt	gcagtgagcg	aagatcgcg	360
cattgcattg	cagcctgggt	gacagagcga	gactctgtct	c		401

<210> 645

<211> 132

<212> DNA

<213> Homo sapiens

<400> 645

gtaaagatca	accatcaaga	tcaaagatcc	ccagaatggc	aaatacatat	gtgtatgggc	60
tcaaagttgg	aagacattcc	tctaccatct	acttattctg	gttatacatt	aaagcatagg	120
aggcatagc	tg					132

<210> 646

<211> 125

<212> DNA

<213> Homo sapiens

<400> 646

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gactcaactg	taaagagaac	acaaagctcc	agtcatagga	gaaagaataa	aataaaaactg	120
ctatt						125

<210> 647

<211> 290

<212> DNA

<213> Homo sapiens

<400> 647

gggcattcag	ataagccatc	atatccccctg	tggacctggc	acgtacacat	ccagatggcc	60
gggttcctgcc	ttaactgatg	acattttcacc	acaaaagaaa	gtgaaaatgg	cctgttcctg	120
ccttaactga	tgacatggtc	ttgtgaaatt	ccttctcctg	gtcatcctg	gctcaaaagc	180
tcccctactg	agcaccctgt	gacccccact	ctgcccgcga	gagaacaacc	cccccttgac	240
tggaaatttt	ctttacctac	ccnaatncta	tnaaacgggc	ccaccctat		290

<210> 648

<211> 166

<212> DNA

<213> Homo sapiens

<400> 648

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acctcagcct	cccaaagtgc	tgggggattat	anggtgtgag	ctgctccgcc	cagcccagaa	120
gcaaacctta	tattcagtct	cattggatta	aattctatcc	ctccgc		166

<210> 649

<211> 616

<212> DNA

<213> Homo sapiens

<400> 649

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gaaaaa	actt	ttacc	acgct	ttttt	catga	tcttt	gaaca	aggag	ctcta	aattat	catt	120

ttgcactggc	tctgtg	ctcatgtttg	ttgagtgaat	aaataaat	ataaatgcat	180
acatacatat	ttattagtac	atggaacaca	ctgattatct	tccatttcct	aacaacactg	240
tatgtaatca	ggattgcagg	catgttatga	aatactagaa	tagctgaata	ttaaaattat	300
tctggaatca	tgtatgctta	ttgttggggg	tatttgtgac	gtctccaaag	tcatcacagt	360
tttctcagca	tcaatgtcct	catctcaccc	cagtcctagt	tctagtctta	agtggaatag	420
attgnatcag	actaatcctc	tgacagacaa	caacggncaa	ctgtggatga	aattttaaaa	480
caactattta	aaaatgccag	agagcaaaca	aaagcagaca	agntagangg	cttcaactca	540
cgaaatccan	taacgtnctg	actggagact	catgcccccc	ccccctgaca	gaagggacag	600
aagctctatt	gaaaag					616

<210> 650
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 650						
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<210> 651
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 651						
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gcagccctca	ccagacacca	aatcggccag	cccattgatc	ttagacttcc	cagcctccag	120
aactatgaaa	aataaatttc	ttttgtttat	aaag			154

<210> 652
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 652						
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aataagagga	agaaggagga	ggaggagaag	aaagaagaag	aaaaaacccc	actgggattc	120
tgacagggat	tgcattgaat	ctatagatca	gtttggggag	tgctgccatc	ttaacaatat	180
taagtcttcc	aatgcatgaa	ccgtataaag	taaaaggcaa	tgtgagccac	tctttactaa	240
t						241

<210> 653
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 653						
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ctcctgcctt	aactgatgac	atttnaccnc	aaaanangng	aaaatggcct	gttcctgcct	120
taactgatgg	cntggtcttg	tgaaattcct	tctcctggct	catcctggct	caaaagctcc	180
cctactgagc	accctgtgac	cccactctgc	ccgccagaga	acaaccccc	tttgactgta	240
attttccttt	acctacccga	atcctataaa	acggcccccac	ccctatctcc	ctttgctgac	300
tctcttttctg	gactcaaccc	acctgcatcc	aggtgaaata	aacagcttta	ttg	353

<210> 654
 <211> 609
 <212> DNA
 <213> Homo sapiens

<400> 654						
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agtcttggtg	gaaggcaaag	tgggagccgg	ccagtcacat	ggccagagca	ggagcaagag	120

agcgagggtc	accac	tcagacgttt	ctgggacaga	tccaagcc	cagagcagct	180
gctcgtcca	gagccgtggt	gtcttcctgg	tgcatacagc	ccaccgctg	gcaaaacagg	240
gcaactgtag	gaatcgactt	tccatctatt	tggagctcat	cagtgtcttt	cttttaggtg	300
acaacagagt	tgtccggcag	gtttttcctt	tcttttcttc	aagtagggta	acattagttc	360
acatctgctc	aaaataaatt	atgttcgtat	tctaacagac	tcatatggca	ggaacaagaa	420
gtgcacatgc	caaaagaagg	cagaggactg	caggagcaag	acgggttgca	aaggggccgt	480
catgactanc	acaatcctgg	cccctcttct	ttcagcntta	taaagaccag	tanaataata	540
ntgcatgagt	tattgtgcag	tancactttt	caaaaatata	tacattgnng	aaacagaccc	600
ctccaaaat						609

<210> 655
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 655						
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gatcatgtcc	tcggcagggg	catggatgaa	ggtggaagcc	atcatcctca	gcaaaactacc	120
acaggaacag	aacaccaaac	accacatgtt	ctcactcata	agtcggagtg	gaacactgag	180
aacatatgga	cacagagagg	ggaacaacac	acaccaggcc	tgttgcgggg	tgggggctga	240
gaggaaggaa	cgtacaggat	ggtcagtagg	tgcagcaaac	caccatgaca	cacatatacc	300
tatgtaataa	acctgcncgt	cttcennnnn	nnnnnnnnnn	nnnnnaaaan	ggnngggggg	360
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<210> 656
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 656						
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gtttggaact	ccacagacac	agaggcagca	gcagcttttg	gaatgtttca	tccgttcctt	120
gctatggctc	ctcatcagca	tcctgcagtt	ctgacctgcc	caaccctacg	caagaacttc	180
tggtgaaact	ttctctaate	ctctcacttt	ccttcaagac	ctttacttcc	gccagctcct	240
ctactatttg	aggaaggacc	aatttctata	ataaatccct	taatcccata	ataccc	296

<210> 657
 <211> 523
 <212> DNA
 <213> Homo sapiens

<400> 657						
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gggaagcaga	gtgacctgct	caagggtcaca	gagaagggtga	cgtgggtgtac	aacgaccttg	180
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tgtgactgag	ggctgttaaa	gaacgagaag	agaggagaga	aagccttatt	tggaggccta	300
gaagtcacag	actgagacgt	caatgccaaa	tctttcattt	cccactgtgg	ctttttgttc	360
tctctctagg	aatagcaaga	attttgtaca	tagctgggaa	tgaagcgaa	gaaaatgggc	420
ccgggataaa	ggttgagaaa	actattttct	tttgaaaggg	cgggcttcca	nccttggccg	480
gggggcaaaa	aaaaaaaggn	ccctggatgc	tttttttgac	cgc		523

<210> 658
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 658						
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atgaccattt	tacctgggtc	ggccctggca	tcgggtaagc	ctcgatcaa	atctcatctc	180
catcacttgt	cagggaaaat	ccttaaccaa	ggagcaaggc	atctgtcttt	accaaggtca	240

gccaacccac	tggcad	acatcctttc	caccaccccc	gacttgctg	agggctcaga	300
tttcatcaag	tctctttat	caagttccta	ttacaaggca	ggcatagtta	tgcagaagaa	360
gaaccagaca	aggctggagg	caagacatgt	atgtgagggtg	tgtggnetca	aaagtcanga	420
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<210> 659
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 659						
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cctgctgggg	cgcgagggtgc	agagactgta	ccgaccgagg	accagaggc	tgtcaccacg	120
gaggggaagt	cctcagctgc	acaggttggg	gggggggggg	ggggncnnc	ccatctnttn	180
aggttttntt	tngccttgt	tttttntttc	caaaantttt	atttttgggg	ggnetnnatt	240
ttttnncagna	cccttcgnnt	tttnantttt	ttgggttnnn	antaaatacc	ctgaatttta	300
ccc						303

<210> 660
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 660						
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cacttaaagg	cagttctctt	caaataagag	agtctcactc	tctcaccag	gctggagtgc	120
ggtggcacga	tctcagctca	ctgcaacatc	tgcctcccag	gttcaagaga	ttctcctgcc	180
tcacttacat	agatgagttt	gataacagtc	aagctgaaac	taaaaaggcc	atgatgagat	240
aaaagatcaa	ctaaggaaca	agcgtgaaag	gcagctttca	ctgaagtctc	gaacctatga	300
ctgatcttac	caggcatgcc	aggagaatac	gctgccaggt	tccctcacct	ctaccctcca	360
actacagatt	gaaaagtctg	ctttgcctct	tctaaaccat	tgcgtcttga	acttaaattgt	420
gctgataaac	taccagagaa	tcttggttga	aatacaaan	tntattcncc	ncggnttngg	480
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<210> 661
 <211> 499
 <212> DNA
 <213> Homo sapiens

<400> 661						
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cagtcacata	ttcaggcttc	acttccaatt	ctagtctctt	tgtgttttcc	accaaactctg	180
cagttacttc	cacgagtga	gtcttgaacc	cctcaaagtc	atccatgagg	gttggaatta	240
atttcttccc	aactcctggt	aatgttgata	tggtgacctc	ttcccattaa	tcataaatgt	300
tctttttttt	ttttgggaaa	ggnggtttna	nttngcccc	nggnngnagg	gcaggggggg	360
ggnttggtt	aatngaannn	ncncntcng	gggttnccc	antntcntg	cctaancctc	420
cnggggagg	gggaaaaagg	gggcccnc	nnggcccg	tatttttttt	gtttttttta	480
aaaaaaagg	gggttcccc					499

<210> 662
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 662						
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ggaatccgct	cttctcccca	gctctgctga	gcacctcatc	agacatttta	agcagctgtg	120
tcacatgact	tccagtacag	ggagccccac	accaggcttc	catgccagct	ggttactccc	180
aggcctcctt	gactgggtact	aatgcacccat	gacctctgca	agtgcccatg	ccaggagacc	240
atgaacttta	cctcgatgga	cagccttctc	tcctatgctc	cagctattct	ttttgagggg	300
gattaccgaa	tataataagc	acatgatatg	tacatatgca	tatatacacc	gtttgtgcat	360

09423674-102799

gtgtatgtat	agagac	atgtcactaa	aataactgct	cacagata	taattttcaaa	420
ctttcatttc	ccctttacca	ccttntnggc	ccaatcttcc	ccaacaaaag	ccgaggggga	480
ttaaaccggg	tttggtt					497

<210> 663
 <211> 580
 <212> DNA
 <213> Homo sapiens

<400> 663						
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taagngaagc	aggaagagcc	at ttataaaa	ccatcaagat	ctcgtgagaa	ctcacacact	180
atcacaaaaga	acaggcatgg	ggaaaccacc	cccatgactc	cattacttcc	caccattccc	240
ttccaggaca	tgtgggggga	ttattggggg	attaccaatt	caaaggatga	agattttttaa	300
gttggggggac	caaccatata	actat tttgtg	aagnatgctt	ttattatttg	gcaaataataa	360
gttattttgca	taaaagttca	ttaaagtata	ttgctctttt	ttngnaacaa	gggacaaaatt	420
gggaagcccc	ttggattatt	attacacaaa	ggctttttga	ctgggaaata	attatatctt	480
tccaatatga	agtaagacag	cctttttgaan	ggaaactggg	ngggtnngaa	ttttttttaa	540
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<210> 664
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 664						
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tctctatcac	agacttacag	cttcctccag	ctgcaagaaa	ccctgggtct	gttcttatct	180
actaagcaaa	tgaatattat	aatcgacaaa	taaatgagct	tgattgggtc	ctcatccact	240
tattcactca	tgtcacaaaa	attaagtga	ttacaaatat	ggaccaagca	ctgaattcat	300
ttttaaaaat	ttaatgaata	aataaaatga	tatgagtaga	tgcataaatg	aacaaatgac	360
taaaact						367

<210> 665
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 665						
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ccacatggag	atgagcttga	agccatccag	gacatttcag	ccacagatga	gctccagctg	120
aatgcaggca	caggtgtaac	cccagccaac	accacatggg	gggcagaaga	accatacagc	180
tgagcccagc	caaccacacg	gctttccaga	aacaagccag	gagtggagtg	ggactcttct	240
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aatttaaggg	agtgcgaaaa	attgagtcac	tgagataaat	tatat ttttaa	tgcaattttt	360
aatgcaatat	tttaactaat	aaaaattaat	gccccaaaaa	aaaaaggcca	gcngggccaa	420
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<210> 666
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 666						
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ccgccatctc	ccagggttcaa	gcaattcttc	tgcctcagcc	tcccagtag	ctgggattac	120
agatagtagg	actgaacttc	tgagagggtta	agcgacatgg	cacagattac	acagaagaga	180
aagattttga	agatcagatg	aagtagttac	cttggaaata	tgagaagaa	gggtctggct	240
ctgttgccca	ggctggagtg	cagtggcatg	atctcaggtc	acagcaacct	ctacctctg	300
ggctcaagtc	ctcccacctc	aggctcctga	gtagctggga	ctacgggcat	gtgccatcac	360

actcagctaa	agttttt	ttttt	gtaga	gatggagttt	tgccatgt	cccaggcttg	420
ggctcaaaact	cctgggatca	agtggatctg	gctgggtcac	ccttccaaag	ggtnggaata		480
ccngtgggga	gnactttgnc	cggcccaatg	gatttntttt	tttgggctga			530

<210> 667
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 667						
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gatgaggaaa	ccgagcctca	gagaagtaaa	gtgaaacacc	caagttgata	gtgtcaacaa	120
attaaaagtc	caagcc					136

<210> 668
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 668						
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cattgcattt	nggatggcna	ttgaagggga	tgtgctattg	cccanaatat	tccaaaccct	120
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tggcaaaatg	acccccattt	taacncttca	ngcatgngga	gaatgcatgc	cctgnagagn	240
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aaacttccat	ttcttcncaa	ggnatgaatg	atgggaaata	naaattgacc	tggcngtgaa	360
tgccctggaa	ancnacngtg	ctgaatcctt	aaccacctta	ctnnntacct	tttcccttaag	420
cnttnncccc	tgggcttaga	aaattaattc	accgnagggg	gnttgnggtt	ntggcttttg	480
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<210> 669
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 669						
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aaggctcgtg	ttaaacaacac	acagagcatc	tctttgtcac	gggctcagct	gacacgtctc	120
cctccctcac	cactgccccg	ccagcctcca	gcagcacatc	tgcggtggac	aatgagtcctc	180
atttcacatt	ttggctctgc	ggtaggcatc	atcatgggga	cagaatacac	accacaagat	240
aataaacaag	ggactgttca	agaacaaata	tcaaaataaa	gacaaaagga	aagagg	296

<210> 670
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 670						
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ggttgtttgtg	gttgacagtt	gcagctaaga	ttcaagccta	cagccagtat	ctagaccaga	120
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tgggagaaat	aagttgtccc	cactaaggac	tgctcaagtt	acagatttat	gagcaaagta	240
aatgtttgtca	tggatttcag	tcactaaatt	ttgggtgggt	cattatgcag	caataggtaa	300
cacaaactat	taaagtcttt	attagtataa	caagcccc			338

<210> 671
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 671						
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ctgggttatt	gctccaa	caatgttctt	ggggaaagga	agatatgc	tttgtcaaca	120
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cttgctctgg	ccctaccctt	acctaccaga	atgaccgtga	acccttcccc	actcactcct	240
acaaccaggt	ttccatctcc	tctctcagct	taggtttccc	taactgtaaa	ataaaaaggt	300
tggactaggt	taaggacttc	ctgctatttc	tctctcccac	actctaagnt	tccttaggaa	360
tgcttcagaa	aacagcangg	gttggggcaa	ggatgccact	tgagtcccag	agcaacttca	420
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<210> 672
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 672						
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naacacttca	ccccggccng	ggnaaaagnn	gggggggggtt	tttccccccc	gncccnnggg	420
ggggnnnttt	ttttcccaaa	ntttttttccc	tttttttnggg	aaaaaaagnt	tnccccaagg	480
ggnnngggggg	aggggggaaa	accccccccc	aaa			513

<210> 673
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 673						
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ctactcgggg	agctgggtcaa	atgtggaatt	tcgaatatca	aatatgtata	aaataaatag	120
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<210> 674
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 674						
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tataatagcg	ttcattttat	gtattaagcc	agatttgcac	aacaattcca	ttgtaataca	180
aatgtaatct	ttagaagtaa	ttttaaagca	gcaaagttag	aaatgccaac	cctcaagtaa	240
aagaaaacaa	ttttcctaag	ccaaatgtct	tttgtgagag	atttcaatgg	tcatttgatt	300
ttagtttaaa	gatcatctga	ccttatgatt	caccgcattc	ttaaatgcac	atctcaaata	360
taattggtcc	ttttcccaaa	tttttttttt	tgggggggga	aaaggggntt	ttttaaaaaa	420
ttt						423

<210> 675
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 675						
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agacctcttg	ccaacaacca	tgtgagtaac	ccgtcttggg	agacgatcca	ccaaccccag	120
tcaaggcttc	agatgactgt	cactccagcc	aacatcttga	ctacgacctc	atgagagact	180
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ataaatgttt	attattttga	gccacaatat	ttttgggtaa	tttgttggaa	ggcaatagat	300
aactaataca	ggctctcata	atgtcattta	tttgggtcca	gtcagcatgc	tttaagatct	360
gggaggtttt	tttttttttt	tttccccctt	ttttttttcc	aatttttccc	ccccnatttt	420

taaaaaaatt ttccnna aaaaanccca aagggcccaa aaaatttt tntttttnaa 480
aagggggggg gaaaaaa 497

<210> 676
<211> 517
<212> DNA
<213> Homo sapiens

<400> 676
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tccccgnttt ngggggggcc ccaaaaaggg ggggggnaaa aaaccctttg gggaaaaaaa 480
ggncccnttt tccccttttg gggtttttccc caacccc 517

<210> 677
<211> 407
<212> DNA
<213> Homo sapiens

<400> 677
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tttgtttgac cttcactata taggaaaaag cctcacaaat tcttcacccc cttggatgga 360
ggcttnaann ccccccttt tnncccnaaa ncnaaaaacc tttttgg 407

<210> 678
<211> 343
<212> DNA
<213> Homo sapiens

<400> 678
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caacattgct ggctctgatg gaggaagaaa gccgaggaat gccgccagcc tctacaagct 120
gcagagacaa ggaacacagac tctccccac aacctccaaa gagaaacgca tgctgccatc 180
accctaataca tagtctggcc tgcagaacca ggagtgaag ataatacata tgtgtgtgtt 240
taagccacca cgttcgtgaa atttcttaac agcagtagta ggaagcta ataccgcgca 300
agtagagatt gattaatttg gtttaataaac aacaactcct agg 343

<210> 679
<211> 511
<212> DNA
<213> Homo sapiens

<400> 679
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catccattca ttccgggatt cccccagctc atggacacag gtcggtctct aactacagac 180
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aaaaaaaaa ggggggggccc ccnaaaaatt tttttccaa aaaaaaac ccctttcccn 480
tttaaattn cccttttttt taaaaaagg g 511

<210> 680
<211> 155
<212> DNA
<213> Homo sapiens

<400> 680
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gaaatggagc tcaagaaaac ttcattctgat tctcaaagaa cacacatctc aactgacatc 120
tggccccaca cttggttaata aaagtgcatt ggtgc 155

<210> 681
<211> 512
<212> DNA
<213> Homo sapiens

<400> 681
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gcaccaccat caaccagtg gctcaagtct gaaaagtgcg tcaagtcac tttgaatatt 180
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ttcttttccc tttttttttt ggggggggga aaaaggngtt tccccctttg gggaaaagggn 420
ttttaaaaaa anatttcccc tttttttttt ttttaaaaaa aatttaaaaa nccccaaatt 480
ttnaaatttt aaattttccc tttgggggaa aa 512

<210> 682
<211> 536
<212> DNA
<213> Homo sapiens

<400> 682
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aataaaaaata aaaataaatg agccaggtgc agtggcgcat gcctgcagtc ccagctactc 180
agaaggccaa ggtttctaata aaccataaga tcataccatt ggactgtgtg aaaattttca 240
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tctagagctt gcagagatct ggggtcaggc ccnaattttt taaattttta ancccttttt 420
tttttttttn gggngggggg ggaaaaaacc cncctggggn aaaaattttt ttnggggggg 480
aaaaaacccc aaaaaatttt ttnaccccct tttttttttt tttttcccc tttttg 536

<210> 683
<211> 372
<212> DNA
<213> Homo sapiens

<400> 683
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acgattctcg tgcctcggcc tcctgagtac ctgggactac aggcattgcac caccacgccc 180
agctaatttt tatattttta gtagatacgg ggttacattt tggccaggat ggtctcgatc 240
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caccgcacct ggcctcaaaa agagctcttg aatatattag gctagtttag cttttgtcag 360
tattggaatt tt 372

<210> 684
<211> 470
<212> DNA
<213> Homo sapiens

<400> 684

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aagtggaaacc	acttatacca	gtgcatctac	accaaagggt	ggaatgagag	tggctgcttt	180
tctggcagcg	tggagacgaa	cattagaaaag	aagatgctgg	atttgggtag	catgaagcag	240
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aacctatcatt	aaaggataaa	ctgctcatct	caaaccagag	gcaattaagt	gacagagggg	360
tctcgatccg	acgacttcct	tccnnaaaag	gccccctttt	tttttttttt	tgggaaaccc	420
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<210> 685
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 685						
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taanagnctn	tttngncttc	cttgctcact	gntnaatatg	gctgaactac	gcangnggtc	180
canggagact	tggagcagcc	tgtctgaggn	cactgaataa	tcccaganac	acatccacna	240
aactgagcca	atactataag	cacagaaacat	ttttanaagc	tgtgggacag	aggaaggccc	300
ttcccaagat	attgcttcgg	gacccagaat	ttaaaccattc	accattggct	tccggtcatg	360
caggctgtca	catgctcctg	aaaaagaagg	gctgcgtgat	tttnaaaaan	ncnnantttt	420
tttttttttt	tttcnaaaac	ccccctttt	tnnttttttg	nggggggnga	aaaagaaaaa	480
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<210> 686
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 686						
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ttgaagggcc	accaaaccag	ctgttcccct	catggaagag	gagcatagac	ataaaaatgtc	180
aaggcaatgg	ggaaggggca	gagaaaaaggc	acaaacactt	ggaggagaga	cagaacaatt	240
aattggcaca	aaaataacagt	attggtgtca	ggaggctttg	gtgggcttgg	aaacatcaag	300
cagcagatct	gaaggaaatc	cagccctggc	atgaaagaaa	cggggcaggc	caggcgagct	360
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<210> 687
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 687						
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taaaagaaaa	ggacggggag	tagggatctg	gaaggacact	ggcccccaaa	cagggaatct	180
gagcaccagc	agccacgccc	cagtgggtta	accttaaccc	gtgcccatgt	taaacgcttc	240
tgggtggcgt	aagcaccggt	agctatgggt	agctccatgg	ggatcatggt	ggcatccacc	300
tatattgcaa	gttctgaaat	gataacattt	tanaaatgga	tggacaaaat	ggatgcccg	360
ggttaaagaa	aaaagtgggt	attaaaaggc	nacaccgaag	gtccttcaag	tggntgnaac	420
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<210> 688
 <211> 608
 <212> DNA
 <213> Homo sapiens

<400> 688						
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tttaacgggg	tctttt	ggccctttca	cgggnccang	gaaaccttca	agctttcaaa	180
aagnaanaaac	ncaaaaaccgc	gtcaatggct	ntcattttaa	tttncncttt	aattcggggc	240
ttccaaaagg	aaggtgggag	gaaatagctt	gggtgggtca	ctgtcccaag	acactggaag	300
aatgggcant	ttcaaagaat	ttttctcttg	gcaattcttg	gtcctcttga	aacaagactt	360
tggaaaccttt	gggtcttgctt	gggtttccca	aaccctggg	gttacnacat	tnaanaaacc	420
atggtgcctc	caaggggaacc	cttcaccntn	ttgggaagtc	ttggaanggt	ttgaagcccc	480
canaggaaaa	cctcttatgg	tcttcccatt	atttttccat	ttccaanaac	aacccttntt	540
ntttttttat	tggaaaaccc	cnttgngnaa	aanngggcnt	ttaacttcaa	ntntttttta	600
aaaacatt						608

<210> 689
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 689						
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agtggagatc	tgatacagac	ttttcaagaa	tgtctcattg	ctttagacaa	ttccctgaca	120
ctacctgtct	ggtttctttg	attagcaaaa	ataatcatag	taaaaatacc	aatc	174

<210> 690
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 690						
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ttgattatgg	ccttggtgaga	gagattctaa	agcagaaggc	ccagggtcagc	tgtgcccaga	180
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cagcactttg	ggaggccgac	gtgggtggat	cacctgaggt	caggagttcg	agaccagcct	300
ggtcaacatg	gtgaaacctt	gtctctacta	aaaatataaa	aattaaccca	gcatngnggn	360
gngtgcctat	aattccactt	ctccaaagct	tgaggcaga			399

<210> 691
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 691						
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catccctgta	gctggcagtc	ctatagctgg	cggctcctact	tgtccagtaa	gcttccaaac	120
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ctgggaatac	tttggaactg	aagagaacct	attaggagag	agaaaaaaca	gagtcatgat	240
taagcaaaaa	aaaatggaga	aaagattcac	ctctaaattt	tatttaataga	caacaaaaac	300
acacaacatt	tctctttgat	tcataacgtt	aataaattct	acttatcggt	tgcaataatt	360
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tcangaaaaa	aatggcctat	tccncccttc	caagctt			457

<210> 692
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 692						
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atcccnctgg	cagcaggcca	tgaaccacaa	gcctctntcc	atcaccctgc	tttccgggtc	120
ttctccagct	ncatttggtc	tgatgaataa	ttccaaccag	cacttccaga	agcttgagct	180
gctcttttggc	tttgataaca	gctagctttt	tgggggttac	ataaacattc	acatnttttg	240
taccgctgtt	ngacaatgac	tcctggcttc	tgatnggact	gagccttana	aaggatctgg	300
gccatnggna	tggntttttt	tttattgccc	cncttnggta	aaaaaccttt	cctncttnaa	360
aatttgggga	accgcttgan	gnggggggca	nanatttttt	ttttttttga	aggntcttca	420

aagaaaaaac c

431

<210> 693
<211> 618
<212> DNA
<213> Homo sapiens

<400> 693

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anncttngtt	atggacctcc	ttgnatngat	ccnacttgag	accccaccan	nttngggcca	120
acccttgctt	gggggggaat	taagaaaacc	cttcntcttg	tccanaagtt	aaaggggggc	180
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agaagcccca	aggtnccccc	anggacaagt	ggcagccacc	tttgtnccaa	ngccggggcc	300
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cattcttgaa	ntttgccaga	aaaacttggg	aaagccaaga	agaaccccca	agtttangga	420
agcctactta	ccaacttatt	tccangggca	aggaaaaaga	acaagttggg	cctttgggaa	480
ttgggggaat	tgtnggtatt	ttggaaaagt	ngggaagact	taaccanana	nggttccttt	540
gggnaaaatg	gtaccantcn	tttnttagct	ttccccaaan	aactttgctt	gcttnggtgg	600
gggaaatggg	tccaaggt					618

<210> 694
<211> 435
<212> DNA
<213> Homo sapiens

<400> 694

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gaatgatcga	ctgagaccaa	cagctggccc	agccctgcat	ggaggagtaa	gaaaccctca	120
tctgtcagag	ttaaggggccc	tgaatgggta	caggctcacat	tcttggagct	caaggtgaca	180
ggccagagcc	cgggtcccca	ggacagtga	gcaccttgct	caggcgggccc	tcccgtttct	240
ggctccgggc	tgaacttcct	ggagaagagg	aaggttcac	tgaattgcag	aaactggaag	300
cagagagccc	agttaggagc	tactacaact	atccaggcaa	gaaagacagt	ggcttggatg	360
gggatgtggg	attgaaagt	gagactanca	naagtcttgg	naatgtcatn	ttatactacc	420
aaaacttgct	gctgg					435

<210> 695
<211> 282
<212> DNA
<213> Homo sapiens

<400> 695

taaccagtga	ggaactgagg	tctcccagca	accacctgtg	tggagttgga	agcggcgctc	60
tctctctctc	tctctccagc	aaccagtggg	gaactgaggt	ctcccancan	ccacctgtgt	120
gaagtnggaa	gtggattcct	tancctcagt	caaacttga	aacgactgaa	aacctgggna	180
acagcttgn	taaaacctca	tgagagaccc	taagccanac	tcncttacct	acagaancct	240
ttatntgtat	ctctgaataa	atgtntgtta	ttttaagcta	ct		282

<210> 696
<211> 451
<212> DNA
<213> Homo sapiens

<400> 696

aacgtagctg	ttttgaaaaa	acaaagcata	tgcattcttc	tcaaattggca	acttaaagaa	60
acaggagggc	aaattctcat	ttcttttggg	aagtaaagat	tcctctcttt	ggtaaaagaa	120
acttctttgc	attcactgaa	caaccttccc	ttaagaggga	accaacaccg	cctgatgatg	180
ggcaaactga	ggcttacaga	gatgggagac	tgctgcacg	ggaccattca	gctcagaaac	240
agtggaaacta	gaacttgagg	ccatgccttt	cagagctgct	cccattctct	tactgtccat	300
gccgcctctg	gcactttata	aatgacagag	gggtccgat	gggcatcatc	acatgggttac	360
ccatgggtacc	ctaaagtga	gaccccaagc	ctctcacctg	gacatctgcc	acaaaagctg	420
taatgcantt	gaaaattggg	cttcccttgg	g			451

<210> 697
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 697
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 tangggantt gaagcnaaag atcacgctgc ctgcctacac cangaaacag ccaagacccc 120
 ccttgacaga accaacattc ttccaccctc tccaactttt ttctggaacc ccttcacttn 180
 caacgccctc aatgtacact tcactttctn gtgctcttcc taagagagta gtgntttntt 240
 nctccccacc gagaaaaaaa aataaaagca acaactgg 278

<210> 698
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 698
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 tcacgcctgt aatcccagca ctttgggagg ccgaggcggg cggatcacga gagacagggt 120
 cttgctctat tgtccaggct ggattcaacc ttgtgggctc aagtgatcct cctgcctcag 180
 cctctggagt agctgggact acggatgcat accaccacat tctgctcatg ccctatgtat 240
 tcttttgtat gtatgggtgt aaaaacagag ataaaaacag agatatggat gcc 293

<210> 699
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 699
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 caagtcccaa ggaggaaaaa ctatggatcc tggaaccttg ctgttgtcat acttgggggc 120
 ctgtcttaaa agtctcactt ggtgatattg gctgagtcac gtccctcccc aaaattctta 180
 tgttgaagtc ctaatcccta gtacctcaga atgtgattag atttggagat aggggtcttta 240
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 tatctctgta agaagaggaa tgaggacaga gacacgtaca gaccaaggga ccatcatatg 360
 aggacacaga aagaagggat ccatcttcaa gtgaagaaaa gaggcttcag gagaaaccaa 420
 acctgcccac atcttgatct gggactttta accttccaaa atttaaagaa aataa 475

<210> 700
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 700
 gacaagattt tctctggtct tctgtttccc atttctaaaa taatgaaata acgccacttc 60
 agaagttcct aacgaggaca aaatgagagg tcatacgcca agtgtatcaa gtacacagaa 120
 attacctcat ttccaaaggg aagattggat gatactccac agccaatatt gacttactga 180
 agatgttatc aaatcctctg cctttcctca taatgatatg agaagataaa gacgtgctcc 240
 gctacagagt cttcaaagga agcagaaaaa gtataatata taattttaac ttaagaggaa 300
 cactgctgga catcatgaga attccatata atgagtgtca catctatcag aaaaccaagg 360
 gtatgaactc taaagaaata gaagatgggt gtgaacaggg accacctctc tgcctgattt 420
 gntttctgcc taggaggncc ttcataattg catgggtg 458

<210> 701
 <211> 523
 <212> DNA
 <213> Homo sapiens

<400> 701
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 gagctaaaga ttttgagacc agcctaggca atatggatgt attatggtat tctctggaaa 120

gattctgtga	acaagcaga	cacctgtttc	aggtcttgtt	aaataccagg	tctttccatt	180
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ccccacaagg	gcagcagcat	cctccggtgt	ctactaccgg	tgagaccccc	tctagagaaa	300
gttccagaaa	acaagatgag	ttcaaagagt	tcataaggga	cttttggggg	aagctacact	360
attattagtt	aacactgaac	agggagcccg	gagatctaga	ttcttgntgn	atttgccctg	420
ntcatatgac	tttggacaaa	ccactcatct	tttaagnacc	ctcanttctt	canttatatt	480
tgkanaacat	tggaagtaaa	ggacctttta	agtctgttta	ccc		523

<210> 702
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 702						
gcaaaacaga	aattccattt	tgatgattaa	aaggaggaaa	aattaacttc	atggctcctga	60
cccacgttca	acttgataag	agaggagaga	gcactgtgtg	aaggcaagag	ctggtaagct	120
cagacaacag	aaagaccggg	actaactcct	gctcatcact	tcactacacg	gccttggcca	180
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aagcctcaca	gggtcccttca	tattatttcc	actcattatt	gttgaaatct	tccagttttc	300
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ggaagccaaa	gaatatccag	ttacgatgtt	caaagagata	agctggccct	gaggcatatt	420
tatctgtcct	aaaagaactt	cccaaagaga	aaattaaagc	tnttccaata	ccttg	475

<210> 703
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 703						
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aggctctcgg	tgagccattt	tggtttctat	tggtggactt	gtgtgctgtt	ggggcgccca	120
cagatcccac	agggctccag	ccttggcaac	gacatcgacc	aataccccgt	ggttttcagg	180
aatgccagcg	accagggctc	ctggatgcag	ctggagatgc	tactgcggaa	gctctctgac	240
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caagctcact	attcacacaa	acttaaccta	acttaagtca	atccaantcc	tatttttggg	480
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<210> 704
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 704						
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taatgttggt	ttctgcttgc	agtgtgtctg	gagctctaac	aagtgcccaa	gccaccctca	180
aagggtcact	ccttgtttca	agagcacttg	tgcttgctt	gacctctctg	tcgctctctg	240
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gccactctgt	catactgttt	tgtgtagtgt	tttaaagcta	atttgaacta	ggcaatgtct	360
tagccttaga	tatagacaga	taattttcca	gatcagacaa	gctatagtaa	agcttcaaag	420
ggaaaacttt	tattcctaaa	gagaatanaa	aactcatctg	gggtaatcat	aattggattt	480
aaaaaatgac	ccaagttgaa	ttttt				505

<210> 705
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 705						
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cctctgcctt	ccaagtt	gcaattctcc	tgctcagcc	tcccagtag	ctgggaccac	120
agacctgcac	caccacaccc	agctaatttt	tgtatttttg	gtagagggtgg	ggtttcgcca	180
tgatgcccag	gctgggtctcg	aactnctgcc	tcaagtgatc	cacctgcctt	gacctcccaa	240
agtgttagga	ttacaggcgt	gagccaccac	acctggccta	attatatctt	tctattaagc	300
cttaccta	aatagtaaga	agtaggattc	tctttggctg	ggtcactatt	caataaaaata	360
ttaaagtc	ccatgtg					377

<210> 706
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 706						
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gccctggttc	ctggactgaa	agcacgaaac	aggatctccc	tgtgttgccc	aagctggtct	180
tgaactcctg	gctcaagtga	acctcctgcc	tctcctccc	aaagtgtgtg	gatgacagtg	240
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cncctcctga	catgaatgtg	accaactctg	gttttaanat	ttttgacatn	tgaagccana	480
aantnccctt	tctactataa	ggggagtgga	agggggattt	ccacactttg	tac	533

<210> 707
 <211> 520
 <212> DNA
 <213> Homo sapiens

<400> 707						
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tcacaaaata	agtgaatatg	ccctgcccc	ccttaactga	tgacattcca	ccacaaaaga	180
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ccagagaaca	aacccccctt	gactgtaatt	ttcctttacc	tacccaaatc	ctataaaaacg	360
gctccaccct	tatctccctt	cgctgactct	cttttcggac	gcagccccgc	tgcaccagg	420
tgaaataaac	agccatgttg	ctcacacaaa	aaaaaaaaag	ccagnaggc	caattcaagc	480
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<210> 708
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 708						
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ccattttctg	aagctgcaga	gttctatagc	tggcttgggg	caggtgggaa	aagaagaact	120
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ccctgcacaa	cccaaatacag	ttggcaggtc	acagagggtga	ggccaccaag	ggcttctgac	360
ccttggtggc	ctcccagggc	tacctcctt	gagtcacatc	ttctggtcaa	ccagcttggg	420
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<210> 709
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 709						
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tctgctttgt	ccccagcacc	cagcacaatg	cttgacacat	agtaggtgct	caataagttc	180
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<210> 710
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 710						
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gtggtggcac	ggagacctct	tggtgaccaa	gccggacact	gagcaatctg	tcagcagctt	180
atcaaaagaa	aacacaagtc	caaactttgt	angaaaatac	ctgattaaaa	tcactctttc	240
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<210> 711
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 711						
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gcactgtcga	gatgggagtg	tgccaagatc	agagattaat	gcatattaaa	gaaggtgaag	120
agaattttcac	ttctggatga	tgtgagcacc	ctgcagtttg	ctgtgtactt	ttcatacact	180
tatgtattta	tctaaaacct	tccatgattt	ttttggtgca	gtagtataca	gaatctgaac	240
tggtataagg	tcaactgtaa	acaattatct	aatagttatt	ctaaaacttt	acctccaat	299

<210> 712
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 712						
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gtcatgactg	gccaagacta	aaggtcagaa	gactttcact	ggagatatcc	ctccctatgc	180
ctggaagaaa	ggaatattct	tatctctgaa	gacattggga	aacacaataa	tagctgaaaa	240
acaggccttg	ctaactttct	tccagtttat	tattagatga	tatattttta	tccaatcata	300
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tatgtttttc	tcttg					435

<210> 713
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 713						
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ctctgaaaac	aacataaagc	atcatggggc	gtgctagaca	tttaaagtca	agagccattc	120
tcttcaaagg	actatgaaga	cttggaaaca	aacatcacag	tcattccttt	gtactctgga	180
tgccgaatgt	tgcaataactg	tctgcccgcg	aacctttcca	ttcttacagc	aatcactcgc	240
tccataaaga	cagactgtag	tgattctaat	gcttctgtaa	aatatctact	tattggcact	300
gcatcagaat	aaattttaact	ttatttttaa	tgct			334

<210> 714
 <211> 567
 <212> DNA
 <213> Homo sapiens

<400> 714

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caaggtgatt	cccngcctt	ggncctctcaa	aagtgcctgg	attacagggc	ggnganccca	180
cccccccca	acaaaaaacg	tttttttttc	ttantttacc	cgccgggggg	gaaaagaaag	240
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tttcttgatt	nttnaaaagn	aaaactnact	tnacttggng	gttttttttt	ttttttgccc	360
ctcaaaaatt	tgccttacc	caagttnnct	ccctggcaag	gntttttttt	ntttnttnaa	420
taaaaanaag	cattggcctt	tgtnttttcc	ccccccctt	tgattttttc	cngnccctt	480
ncttngnccc	ttaannccn	ttcaaggggg	gtggnggttn	ccctttttta	ccggggaacc	540
cccgantttc	caaatttctt	tttttgt				567

<210> 715
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 715						
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tgtaaatctt	ctgaggcctc	ctcagccctg	cagaactggc	tagagcaatg	tatcttaggc	120
tcacttaagg	aagctgtaga	gatgagccca	aggagggaaa	ccagaagagc	cccccaggt	180
caccagttgt	ttgttggtc	cctacaaaca	tgctattcaa	gtggctaata	ttacaacagc	240
acaaattcat	ctaaccagag	atactctatt	atagcaaaga	agaaagataa	tttcattgag	300
ccatcctgtt	ttacaggatt	ttccctcctg	gtgagtcaaa	atgaacaaga	agtacccag	360
gacctccctt	ccctccttgg	cattaatgag	atgaaggcaa	ttaactcaca	tagtataaat	420
gaatcatttg	aggtgatgac	tgcattttag	gcaaattgat	actttcttgg	tccattgggt	480
tgcaagtaaa	agttacacac	attgaaaaga	cactgaaaca	gatttcctaa	atgcttcatt	540
ttctggatgc	accaatgggtg	acctactata	catggtaaata	ggnttttaaaa	tatcacctta	600
aaaataaaan	gaaacttnca	gtactaact	cagctcttga	tgggctatga	aa	652

<210> 716
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 716						
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acagaattct	aatgacactg	caacaaaatc	aggccaaaat	gaacgaaaga	aagaaaagaa	180
aagagaagag	aaggaaagga	aaagaaagaa	aagccttttg	tgcttgctca	ctacaaaatg	240
aacaaattgc	aagtggaaag	gaaaatgttt	ccttttttga	gtcccttcat	acctagtggg	300
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cagtgggatt	tggttgggac	ccccaagtca	ataatttgat	tgaataaagc	tctttggaat	480
tttcc						485

<210> 717
 <211> 667
 <212> DNA
 <213> Homo sapiens

<400> 717						
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ttgagctgca	ggaaatggaa	gcagttgaat	gtgaatataa	atacggatgt	ccttagagaa	120
ctgttgctat	aaattacatg	atcaggaaaa	gagcaaaaaca	atacaaaaaga	tcataatctc	180
aaaaatctcc	tattgccatc	gcagaaaaca	gatccatcag	acaacacgca	tcccatcctc	240
tgattcaaag	aagtgatgct	cgtttgatt	aacgctcctc	catgcataga	agggtcagc	300
accacctaata	ggtgctatat	taaggatcat	ccaaaccagg	tcaaccttct	gagaggttcc	360
cagtccctgga	gacaggtcaa	aagtgaagct	cagactgggc	tggcacttat	acagccatta	420
ggaagagatg	agcagaaaag	ctctaagatt	ccacagccca	gactggctat	ggatattaac	480
gacctgcctc	caaccatcca	tacctgttct	tttgntaate	tggttttacc	accatgcaag	540
agagacaacc	aaactcatac	agtcaaaact	gagtcataag	accctctncc	aattttttat	600
tttttgggtc	tacttataat	tcttactttt	atacttctaa	aacaattcta	ttccctggta	660

aaagact

667

<210> 718
<211> 679
<212> DNA
<213> Homo sapiens

<400> 718

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agagaaagag	actgaatttg	cagcctgaag	cccttctatg	attggcatta	atccattcac	180
aaaggcagag	ccctcatgac	ctaaacacct	ctcactaggt	cccacctctc	aacagagttg	240
cattggggat	taaattccca	acacacgctt	tttaggtgac	attttcaaac	catcgcacct	300
tcctagtgcc	cataggccag	gcactgtttc	tggggacttc	tgggaattaa	cacagtaatc	360
ctcacaacca	gcccatgaag	taggtgttat	tgttaccacc	tccatgtcag	aggttgagaa	420
acggaggtgc	agagaggtta	gttagcatgg	tgctctggc	tggcatctat	ctcttactac	480
tacaccta	tgctcaaaaa	ttttgaangc	ttccanggca	agcgacatca	caaatgccag	540
cataatagca	agtagattct	ttcaaagaca	tgaacatata	ggaaaataca	agntttactc	600
aattttctcaa	catttttcaa	actgggggtcc	ttggatttgg	gtttggggta	aaaatttaaaa	660
gganggggtct	attgccaa					679

<210> 719
<211> 592
<212> DNA
<213> Homo sapiens

<400> 719

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ccaccccttc	tctttctttc	tgacctgaat	gtggatatgt	ggtttgcttc	tgtggctgca	120
atcaggtgac	atgaggcacc	aaccattgga	ccaagaagac	aacagccaaa	gacagaagag	180
cagaaaaata	aaaggaaaag	gcctgtgttt	tgataacatc	aatgagcagc	agtaccagtg	240
ccaatagtca	cctgtctcca	gccttcttgt	gaatgagata	ctacaggtct	gtattgcttg	300
agccatttct	aactccagaa	tatatTTaag	agtttcatac	tgaagttgaa	ccacacatct	360
ttctttgaac	ttcctaacag	gcaaaaacaac	tgcataaaaag	agatactcaa	ttaagttatt	420
atttgcattg	nccttgagga	gaaaattgat	agttcttcaa	gagaggcact	ggttcttgtg	480
aaacttaatt	cttttaaaaa	tggcttgggt	ggggcatcat	aaaaagacac	tgagntatgg	540
gggnaactgn	attttaaatca	tatccccaaa	ntaaatgcca	aatagtttc	at	592

<210> 720
<211> 316
<212> DNA
<213> Homo sapiens

<400> 720

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acnanancac	tctaattgcn	cnaaaatagg	cactatccac	caaacttctc	ggccttgaga	180
atngtttacc	aanaacttca	aagatccctc	ttgcccacat	cttgaaaaan	gcccccttc	240
cctataaaaa	aatcanggac	ccccttgctt	aaagnnaaac	aantgcccc	cttgtnaaat	300
aaaattgttg	gaaaaa					316

<210> 721
<211> 184
<212> DNA
<213> Homo sapiens

<400> 721

gcaccgngan	cntcactcat	tnncgannnc	tgcatgtgtg	ttggctgatg	tcatagactg	60
ttcctctatg	atcacaagaa	ttccctat	agaactgcat	atgggtgccc	gttgggtaac	120
ngtttcaagt	tgaaagaatt	ttgcattttg	tgattattgta	ctagaatgaa	ataatcttaa	180
tccg						184

09428674-102799

<210> 722
 <211> 592
 <212> DNA
 <213> Homo sapiens

<400> 722
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 ctgacgggct ttggagctgg aacacttaaa ctggtccaca agaaagtgct ggatgtttgc 180
 catctgtttc cagaaagctt ccatctgtga aatgagcaca agcagcaaga agtgagggtga 240
 aaaacttact taagaaagcc aaacggtgcg tgcttgggaa ttacaattca ctccttatca 300
 caaacaaga ttctaaca ttctacagtt tcagtgaagt tatcttggca acaatcaccg 360
 ttctacagtg aagttctttc tgggtccatt gnetggttcc agtgtcaagt cagttttgca 420
 atggtgtttc agcagacacg agagcactgc tgctaaggaa agaaagcagt agcttgtcca 480
 gcctacagac tcttgacacg gtcattacag ctacctangg gctgatgaaa tgtgacaatg 540
 ggctcatgga agctttggca attttaaatg ggattaaata ctttcctgaa gt 592

<210> 723
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 723
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 ctggattcag ggtccagagt gtcaccatt acaccatgga acctcaaacc agacatcaac 120
 gtctctaatt agtctttctt tattccaata aaagaaaatg gtcagtg 167

<210> 724
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 724
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 tgcacgggtc cacttacaca tggattttct tccgcctctg acagcaagac aaactcctcc 120
 ttttcgcct ccttcacctc agcctattca atggtaagat gatgaggatg aagaccttta 180
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 ccttatacaa aaaattaact caaactggac cacagactta atgtaaaaca taagactata 300
 aaactttcag ataaaaacag aagaaaagtt ttcaggacct agagctacaa aactagtctt 360
 tagaattgat gccnaagcn ccacccccca agaaaaatta attgggnctt tttcaaagtt 420
 aaaanccttt gntcaccaaa agaccctntt angcagatga aaagagtagc tgcagac 477

<210> 725
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 725
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 aaatgtaaaa gcttttatat cccaggactg ttattcaaag cacctttaag ctcagcttct 120
 tacagcgccg tctgaaaaaa taaaaaaca cagctatgtc ttgcaagtaa aatcaatggt 180
 ttcctcac 188

<210> 726
 <211> 682
 <212> DNA
 <213> Homo sapiens

<400> 726
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 agctgccacg gacggcagtg gccccggatt catgtcccga gtctgaagag agctcctccc 180

tggccttttg	gtttttggg	cctcctagtg	tcctccccac	acttcgggtt	aggtctctgt	240
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<210> 727
 <211> 663
 <212> DNA
 <213> Homo sapiens

<400> 727						
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acagaggacc	aagggcccca	agagagtcaa	catgcaatgt	cagcaatgca	gtgccttaaa	180
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cga						663

<210> 728
 <211> 580
 <212> DNA
 <213> Homo sapiens

<400> 728						
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caactgaaga	aagggccctc	ggagatcatc	cagcccatcc	ccctcatttc	acagcgaaga	120
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<210> 729
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 729						
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gatcaataaa	ctggctcatc	tggtcttgng	gcctccatcc	aagtaccaac	tcagtgaag	120
aagacagctt	cgaccccgta	tgatttaate	tccaacctga	ccaatcagca	cttctactcc	180
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<210> 730
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 730
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 ngntcttttt ngttngtgag aaanttcngn gattccttg aattttcnct tacttttnt 180
 ttgcntgggtg natnccttta ttgggtngcc gggctgggan ttttttttgc tttttaatnc 240
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 tttttacca ccaattatt gttttccac ctcttcttcc cctttgnctt tctttttttt 600
 gggaaatggg ggtttttent tttttcccat tttttcatt taccaccct ttttggcntt 660
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<210> 731
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 731
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 aagccaaaaa gtgatcgcc attcttttac cgggttccag ccaactctgt ccgctaacc 180
 ctatgacaga ggagatggga aaataattga gctgctacct aggaaggcac aaacatttcc 240
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<210> 732
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 732
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 gcagaagccc aactctcttc tgctgcgttt caacagggac tgcttacgtc cagatcatcc 180
 cagaggattc ctgtgttagc tctattagtt ctaccttctc tgagaactgc tacatagcta 240
 ccattcaata aaataaatct cagcgt 266

<210> 733
 <211> 679
 <212> DNA
 <213> Homo sapiens

<400> 733
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 aagaagatct agatgccgca tctctaggct atccgtctag gctatccggc tgagacaagg 180
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 gaacatccag cactgcatgt catatcgtgt caccacttg ctgagggcaa gccagcatg 300
 gtttgggtctg aagctgactt gaagagctga gagttcaaga cttgtcactg ggtccaaaaa 360
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 tcttctattc agggagtccc tntntgggnt gggagcacca acactggtct taanaactcc 660
 ctggcattac tttttccaa 679

<210> 734
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 734
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 cgcttcccag gttcaagtga ttctcctgcc tcagcctcca gaagaggtgg gattagaggc 120
 atgcaccacc acacttgggt gattttttgta ttcaccatct ctaccaggcc aggctggtct 180
 tgaactcccg acctcagggt atccacccac ctcagcctcc caaaatgctg ggattaaagg 240
 cgtgagccac catgcccagc tgctcaacat ttcaaacaga agtttaatta tgaagagaga 300
 attaaatggc aattttttacc agtaagacat aagcctaaca tcattgactg agagaagtaa 360
 atgctgtcaa aagat 375

<210> 735
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 735
 tcctggcctc cttcagngag atgttgagta ggtttagcca gaatccactc ctaccctga 60
 tgtttccttt cactgaccgt cccgccacga ccactcctgg gctgtaaate ctcacttgct 120
 cttgctgtat ttggaatgga gtccagttct aagggttcaag agttctaaga gtccctgagg 180
 ctcatttctc ctattgaaat agttcctgag taaaatctgc ttttatggct ct 232

<210> 736
 <211> 571
 <212> DNA
 <213> Homo sapiens

<400> 736
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 cttgtgccag ctgttgagggt tgtgacacct gtgccagcat cgccggctct gccactgtc 120
 atctgttcca actgttccat ctgcactgtt tgtaccaatt ctcccatttc tgcactgtca 180
 ctttctgcag aaacgtttcc aacaatgcca gctgtgtcat tgggtgcaaa tatgccagat 240
 gttctatttg tccaccctgg gccaaatcaa tgcagttttg tgctcattag ttttagctgg 300
 tagattctat tttacaattt tttgatttgn attttgattg aatccaggca aaatccccct 360
 ttcaaagatt ttgtgtctat ctatccatct ctttgcaacc ccaactttat atctgacaac 420
 atgaagttgg tcaatgttat tcccgatctt attaaaccan cccaatatta agtgngggta 480
 ggggcatttc ctaccctgtg nagactatat atcgcaaaaa ccatgcaaca tagggataag 540
 ttggcaaaaag tnanntaaaa aagaatacac t 571

<210> 737
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 737
 tgggtcctta cctcnagctc ctgtgatctg gtggtggggg gccaccacc ctctgcttc 60
 agtgatcaag aactgaccaa gcttgtctcat cccaagcccc cagccacaag caatagggga 120
 tcccggtaaa ggtttgccga cctaagctgg tngtgatgaa gccatcaaga tgatccctct 180
 ttctgttttg aggggtgctaa atccggcagg ggccattgaa gcctgggatt tactaagcaa 240
 gaagccttgc cttgaaagat gccaccaagc acaagaagat gggccaaaac canaggagcc 300
 taagaagaag acangaatct caagtgtatg atatcttgaa gccatccaag aattccagcc 360
 caccatcttg aaagttttaa aagtcttgct caagggactc ttgagggtag aagggagg 420
 taatacattt ttgtatcaag ggaaattgga aagtgggggc ttcttttt 468

<210> 738
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 738
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 atggacggta tctgaggatc ggtttagcgt atctggcccg agaaattggc aacatttgct 120
 acgaataaaa cccaagcgtt tccagc 146

<210> 739
 <211> 693
 <212> DNA
 <213> Homo sapiens

<400> 739
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 ataggacaag ctcatttcct gagctttagt ccgcagaatt gggccagggtg cttttaatcc 120
 tcacagctgc tctgcaagcc tttgccctgc ttactagact gaaaatcatg ataaagctga 180
 gactttccct gactcacctt tgaatcctct atgaatctgc cgagctaaga agaccacctg 240
 acacttagtg gataactaatt caacagtgtg ctgaccaggt atgcaaagga ccatgggcaa 300
 tactctgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt cctctcttgc acactttgca 360
 aagcttgaaa anggaagtan gcantgacca ttttatatat tgganaccag cgtatatggg 420
 aaantgangc attaagaaga aatataacnt gctttaaact acacatcaac tgnantggca 480
 naactcggag ntagatggat gagattntgc cccacaaga cttacaagggt gtntgngaag 540
 gngttntctn aagaaantan catttnaann canctgngg gagnaanaaa aaaccctnt 600
 gncatgnag nnggggcntn atccancccg gngngggggc aaannnaaca aacanngggc 660
 nnngggaaaa gcnanntttt tttttaaaagt ttg 693

<210> 740
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 740
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 tgcngcanca agacaccntn ttggaagcag agcagccctc accagacacc aaatcggcca 120
 gccattgat cttagacttc ccagcctcca gaactatgaa aaataaattt cttttgttta 180
 t 181

<210> 741
 <211> 689
 <212> DNA
 <213> Homo sapiens

<400> 741
 aaatatggaa ttcaaaaagg cattaagaan aaaagaaatt ctcaagttcc ttctgaattt 60
 ctaataacac gggaaatgag gcttcagtgc tcaacatgcc aacatgcttg gaaattcttc 120
 aataccatga cctctaaaag ccagctaat ttagtgaaaa gagaaacaag ggtcctgcat 180
 accaatgaaa ctgctgacat cagctgatct gaatgacca acaaaaagct tacatacaca 240
 aagaatgcag ttttcacatc ctaatcattt cattctcctt accctgacca atcaatgatc 300
 ccaatttgcc agtcccatc cctccacaat tttcttaaaa accccagatc agtatattcc 360
 ttggggagat ggatttttgt gttttctgcc atctccttgc ttggctgtcc tgtgatcttt 420
 aaacactttt tctgctgcaa ccctgctgtc tcagtgtacg gatatgttac tgtgcagagg 480
 gcatatgaag ctgtttggcct ataataattat gatggcatta gtggccttat aagaattaag 540
 aagagaagcc nggcacattc gcacgcacct gtagtcccag ctactcanga ngctgaggca 600
 ggaggattgc ttgancccca ggagttaaag gctgcagngg gctttganca tttntttgan 660
 nanccactgn actcttacct gaacaacca 689

<210> 742
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 742
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 gttcttacca ttgaaaaaga agtgctgagg ccaggcatgg tggctcacac ctgtaatccc 120
 agcactttgg gatgccgagg cagctggatc acttgtgtgc aagagttcaa gaccagattg 180
 ggcgacatgg tgaaaccccc tctctactac aaatacgaat attagccatt gtgggtggc 240
 acgcctgtaa tcccagctac tcaggaggct gatgtgggag aactgaaccc tggagggtga 300
 gattgcagtg agccaagatg gcgctactgt gctccagcct gggcaacaaa gcaacactat 360
 gttttaaata aataaataag tgctgagatc tcagaaaata c 401

<210> 743
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 743
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 ccagatggcc tgaagtaagt gaagatccac aaaagaagtg aaaatagcct taactgatgg 120
 cattccacca ttgtgatttg tttctgcctc accctaactg atcaatgtac tttgaaatct 180
 cccacaccct taagaagggt ctttgttaatt ctccccaccc ctgagaatgt actttgtgag 240
 atccaccctc tgcccgc aaa acattgctct taactccacc gcctatccca aaacctatag 300
 gagctaata taatccacca ccctttgtctg actccttttt cggactcagc ccgcctgcac 360
 ccgggtgaaa taaacaacct tgctgntcac accaannnnn nnnannnnnn nnnnnnnnnn 420
 nngggggggg gggggggggg cctttt 446

<210> 744
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 744
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 agtggaaagt gggcaaggcc aaggatcatgc tacagaatgt gactgagcaa caggggggatc 120
 acttcagctg ggatgggaaa ggaaagcctc caggaggagt tgacatcgaa tcacagttga 180
 atcctaanaa gtcagtcttg caaagatcta ggaaagaac agctaagtgt ctaagggtgcc 240
 cagatttcat attgctcaaa cacacatgct ctacaaacaa tttatacaga caacggcaat 300
 catcaccagg atcctggaga cgagatacat cctcagctta ngaaagaaga cgggggattaa 360
 agaagattaa aaggacceng gnctttcgga aaaacttttn aaaagtcctn nntttggnag 420
 gnaanagnna aataaaangg tcccatggna aatcttttcc caaatttant tntttcaaaa 480
 gactngcagg taaaagaaca 500

<210> 745
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 745
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 tcaggagttc gagaccagcc tggccaacat ggtgaaaccc catctctacc aaaaatacaa 120
 gaattggccg agcgtagtgg cccacgcctg taagtccaac tactcaggag gctgaggcgg 180
 gagaatagct tgaacctggg agacaaaaggc tacagtggag tgagattgtg ccactgtact 240
 ccagcatggg cgacagagtg agaccctgtc ccaaaaaaca aaacaaaaca aaacaaaaca 300
 agacttattt caatggactt gtccctctg tgatcatcatt caatcatctc tgtaagttaa 360
 aatcctgnng gnggggacaa cccnaaaagg gggggaangg ttttaatttt tnnccctttg 420
 aaagtancaa aaaggggaca cctgncantg ggggaaggat ttcaaaaaag ttccccatgc 480
 cttcatgaa gtttt 495

<210> 746
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 746
 gctcttcccc agtctggagt acagtagggt gttcttggct cactgaaacc tctacctcct 60
 ggggttaagc aattctcctg cctcagccac atggagtatt gctctgtggc ccaggctgga 120
 gtacaatggc gcatctttgg ttcacagtaa ctccgcctc ctgggttcaa gtgattcccc 180
 tgcctcagct tcccaattct ggaggctgga agtccacgat caagggtgcca gcatggtcag 240
 tttcttgtcc tggctcatag gccgccccca tcttgccatc ttcacaaaga agagggtgtac 300
 tcacgtgacc tctcctttgt gcacaagagg agagagttag caagtgaact cttggtgact 360
 cccctacaag gacactaacc ctattnttgg aggggcccc ccttggaac tnnnttnaac 420
 ntaaatacct natttaaacc tggctccaaa aacagcccat tggactttg 469

<210> 747
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 747
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 tgccaacttt atgtgtaaag aagctaactc ctgccaacat cgtggctgaa tgaacagctg 120
 ggactatgct taaccattc ccagcttata aaagcccat ggcagctgca gtgaagcatc 180
 agattatgtg atgcaacaaa attcaaatat gaaaaccatc ttggaggccg ggcgcggtgg 240
 ctcatgcctt taatcccagc actttgggag gccgaggcac ggtgcctcac acctgtaatc 300
 ccagcacttt aggaggctga ggcgggcgga tcacctgagg tcgagagttc gagaccagcc 360
 tggccaacat gaanaaactc catttttttc ttaaatacca aaaatttncc cgccttgggg 420
 nncatgcctt gtattccac ntntcggaa ggctgaggca ggaaaattg 469

<210> 748
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 748
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 aaacanaatt taaaaagcg 79

<210> 749
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 749
 tcccccaacc ttggaaatng ccaaccggn ccaancaatt ggnntttanct tgcaaccctc 60
 caaatttcct ggggcttcaa aaanacctt tttttaaacc ttcccccaanc aagctggggg 120
 aactacaagg cgggggcccnc cactttgaaa cctcgggctt aatantggga aggtaattta 180
 ctaaagtatc ttgnaaaaat ccttaatcca atattaaggg gaaaaataaa aggggttttt 240
 taaaatgggt t 251

<210> 750
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 750
 gaggaagaa ggcggaagca cgaacggctt aattaggaag nccnnncnctt anttggacct 60
 cccactgga aacacccacn ttgaacaact attcacacaa agaagcacct tngtaagaac 120
 caaaaatcag gngccagaca gaaagnnatn tntntgctna actganacaa atgcacnatt 180
 cattgagcca gactaaggca taagngacta ttcctctatg tcccccaaca tgtaaattgt 240
 ggattcaggg aaaggctgat tgaagagtca ttaagaatgt agcatttttg ngttttattt 300
 cctggaacca caccttatct anctggaact gtccctccc cgccccncca attctgnct 360
 gttttgagag ntectgcctt tctggaccaa attnatnggc cttttnnacc canggggggg 420
 gngggggaaa atttccctaa aaggggggaa agggagcggg nccctgccnn cttgagcaca 480
 tgttgcc 487

<210> 751
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 751
 gtgaggacac agcaatcctc cagaggatgc agcaacaaga caccatcttg gaagcagagc 60
 agccctcacc agacaccaaa tcggccagcc cattgatctt agacttccca gcctccagaa 120
 ctatgaaaaa taaatttctt ttgtttat 148

<210> 752
<211> 455
<212> DNA
<213> Homo sapiens

<400> 752
cttccagagg ctgcctgcat cacttgccctt ggggccccctt cctccatctt caacaggagg 60
ttgagttcct catcacataa catcactcgg accttgctctt ctgcctcgct cttccacttc 120
taaaagcccc agtgattaca ctggactcat ccaaataacc caggatcatc atctcctctc 180
caggatcctg ttctgcggcc caggctggag tgcagtggct tgtggaaaac tgaactcatc 240
tttataattc ctttttttatt gagacttacc tagaataatt aacatttgaa ttttaattaaa 300
aacagttcct ttgtcaaact taaccctaatt ctccaatact tttgtagggtc accttcttta 360
ataacaatca gaggaagaat tttctgactc tttaaaaaaa aganctaaaa aaanaanctt 420
tatngccanc acataangen ttttttttcg ggccc 455

<210> 753
<211> 433
<212> DNA
<213> Homo sapiens

<400> 753
atgttgcttg tattagtcca ttttcacact gctgatgaag gcatacccga gactgggaag 60
aaaaggagggt ttaatggact tacagttcca cgtggctggg gaggcctcac aatcatatca 120
gaaggtcaca gctgatgcaa gaggcaggct cccacagcct tgagcagctc tgcccctgtg 180
gctttgcagg gtatagctcc attcctgact gctttcgtgg gctgggtgttg catgtctgtg 240
gcttttccag gcacacagtg caagttgttg gaagatctac cattctagcg tctggaggat 300
ggtggccctc ttctcacagc tccaaattat atgctggata tacaagagac tcatgaccca 360
aactgggaca acaggaatgg ctttctggga naaaanaaat ttgggncccc aaccngaaa 420
aaaaaaaaacc cgg 433

<210> 754
<211> 74
<212> DNA
<213> Homo sapiens

<400> 754
atacctcaaa agggagttgn tttaatgtct aacaacacag aaggaaataa aagtgcctgt 60
gattaaagtg cttt 74

<210> 755
<211> 390
<212> DNA
<213> Homo sapiens

<400> 755
atgcatttgt cattgaagaa aaacatctta caaaggaagt ttaaaagaga acccagatga 60
atatttcttc agatgaacca caaataagtt ctgatttcaa catgttctac aactccccag 120
agctgagaag ctaaagacgg ttctacaata tcatattcca aaggcatcac agggtttagc 180
tgctaattgca ataaagtggg ttttgtcttg gaagcacgca acatcatgaa taacattgtc 240
atctggaaac aatgagccaa taggcacat tttgtgttg aaccgagcag gcttgcttga 300
ttgtggatgc agatatgccc accctacgta agttgacatt ttgtacagac tagaagaaat 360
gtgtggtatg agatcaataa agaagtaact 390

<210> 756
<211> 149
<212> DNA
<213> Homo sapiens

<400> 756
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cagccctcac cagacaccaa atcgccagc ccattgatct tagacttccc agcctccaga 120
actatgaaaa ataaatttct ttcgtttat 149

<210> 757
<211> 447
<212> DNA
<213> Homo sapiens

<400> 757
aaccgaggaa ctgacacaat gtccataata agaaaaagaa ggaaaagtaa gaatttcaaa 60
taatccacaa actgaaaaaa tgagattgaa tgaattcctc tttcaaaggc aaagaaaagt 120
taaacagtgg cttctacaag aaagggtgaac tccttataaa tgaaaaaatg acctttgctg 180
catttgaggt gttgtctgtc aacattatcc gtcccttttg agggtagtgt catctgataa 240
catttttgag tcatgggaaa tttccggaaa cagaacagca cacagaaagg actgacctat 300
ttctcttaga gtaacatcct cgtggctcat ccacgagaaa ggaccttgaa accttgaagt 360
attctgtggn atcctgtgng tacacagntc tttttttaa anaactttaa nacctttacc 420
ttngngggct tgnctttaaa gggaaaa 447

<210> 758
<211> 472
<212> DNA
<213> Homo sapiens

<400> 758
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tctgactgcc tccaggcata cagccagaac tcactgtgtc tggacgggcc tcatactaca 120
gcctccacc cttccaacct cctctgcgac agactgtggc tatgttcttc ctgctgaaca 180
ccacctctgc cctgatggct cctgcaactt ggacaaagt acaagggtgaa gttcaggagg 240
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ctaccagaat catctggctt cctgcaagga agatttgggg cttgggtatct gttcccctct 360
cagactcagc agacacctaa ccaccgctga aagtcactga aatcggatnt ttnccttcnc 420
aaaaanggnn tcttnanntt tggattcncc aaagggacag aggaaaaggg gg 472

<210> 759
<211> 423
<212> DNA
<213> Homo sapiens

<400> 759
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ggtctctaatt ttggaatacg tcctctagca acgacctgag gcttaacatc tgctgattct 120
gtgctactgt aagatagttc ttagtttact gggctctgaaa agcagggttc tcttttaacc 180
tctgggattt cttaacagtt gctaccgggtg gtatgatcac ctgatgatgt acttttagcc 240
aactgtgtgt catcaatagg ggtttgtctg ttttaaagaa cattcaaaga aaaggaatgg 300
ctagtcatat ataggagatc ttggttagctg ggatttaagg gagacttaga gaaaagctaa 360
cgggaaaagg acgtgcattg tggangaaag gggggcngct gtnaccnttt taaaaaccct 420
ttt 423

<210> 760
<211> 465
<212> DNA
<213> Homo sapiens

<400> 760
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nactnlnact ccgtngccta cactggagng caggggngat catagntnac tgcagcctcn 120
aactcngag ctnaangnat cctctngctt naccttctctg antagctggg actacaggct 180
ngggncacca tacctactat ttttnatttt ttatgganac aggcntnctn tatgttgacn 240
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ggattacagg cntgaccac ctcgtntagg caaaaaacag ctnaatgggt ccagtccttc 360
agtctgtctc ctggccaaca ntggacctt naaagggttaa ccaagttctt tttcaggggc 420
gttggnaaaa aaaccctta tngttggaaa ccaaaaaagg ggggt 465

<210> 761
<211> 427

<212> DNA
<213> Homo sapiens

<400> 761
gtaggcagtt tggaaacctg ccccagctgc tgcagtcata tcagacttgt tctctggctt 60
atagccatga agacacaacc acagccttca tggattctc cactcctgat cttccagctt 120
aatatctgga ctaacaagaa acttaggact ctgaccagat gtaaaattaa catgttttgg 180
aagcggcaga gtaatgccc accaactttt cccaacatg gggcataaac attgtaacat 240
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ttgtacagag tttgtgatgt gaatatgtaa attttattta tgccataatc tcactacagt 360
acatcaaaca gagatgcaga atgntacaaa ttcttcaact anacagnttn gggcagggtt 420
cacaac 427

<210> 762
<211> 435
<212> DNA
<213> Homo sapiens

<400> 762
agtctcactc tattatccag gctgcagtgg tgtgatctca gctcactgca aactctgtct 60
ccgggttcag gctattctca tgcctcagcc tcctgagtag ctgggactac agttcacagc 120
cgcggtggcc tccagcctga ggattctcct gatacatgct actaagggct cacctgtgct 180
tgccttctcc ctgggagctg tcgactcaca gttaactctg taggttgaat acatgccatc 240
tgctctactc cctgttcaaa gccactcagc cataaaggaa taaaatagga agaagcgaat 300
ggcaatggag atgcaaaaag tgtcaacaat attttggaag acataagttg tttggacaaa 360
agacttcgaa tttaacgtca gctttctcca ttctgctgag nggctattcc tggagaaanc 420
cattaaagaa taatt 435

<210> 763
<211> 202
<212> DNA
<213> Homo sapiens

<400> 763
ncaanngnnn tngtgggaanc gacacatgca ttactgtaac ccacgaccac aggatgatat 60
agatcattcc ttccatccca gaagaccctt catgcacctt cccagtcaac actccctact 120
tcaagacagc cactgttctg gtttctttca tcaaagataa gttttcccag ttgtagacct 180
tcaaataaat gaaatcatac ag 202

<210> 764
<211> 292
<212> DNA
<213> Homo sapiens

<400> 764
agatggatct cgaactcctg ggctcaagcg atcctttcac cttggcctct caagtagctg 60
ggaccacatt tgctcaccag ctggcccaag accagactgg gcaacatggg tcatcctcct 120
ctaagattcc aggaccatga tcatccctct attgctactt cttagatcag cttgtaatgt 180
ccatctcccc caccagactg cgtctccagc atctctgagt ccccagggcc tggcctgggg 240
cttgctacat ggtgggtgct cagtaactgt gaggtaaata aatgaatgaa tt 292

<210> 765
<211> 121
<212> DNA
<213> Homo sapiens

<400> 765
atggagaaac tgagcctcag agtgggttaac aacttgccca aggtcataca gctgggaagg 60
agtgtacctg aaattaaaat caaattgtct gattccttca aaaaaaaaaa aaaaaaagg 120
g 121

<210> 766

<211> 528
 <212> DNA
 <213> Homo sapiens

<400> 766

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atgacaaaca	ccnaaaattn	ctactcagtg	cacttacatt	gcgcttacat	attctggcct	120
tactactgtg	ggcggcgngc	ntcagggtcg	aaccttcttg	cttnnttgcg	ggactccttc	180
tggntgggca	attgcagaca	cttggttgagc	aaatcatcaa	ggggagcaag	caagtgtaca	240
ggtacaccta	acgcacgcat	gccccacctt	cgtgcctcgt	gtgtacgcgt	gcgtgctcgc	300
ttcatgtgcg	aagcatcgtg	gcgggggctcg	cctccaagct	tcagcgaagc	ctccgtgccg	360
tgccgcgctg	cggtgctcat	gtgccgtgcg	ttgtgcgggc	ttcacttttc	gggcttcaac	420
gcagttttga	aagaagcaga	agccttggaa	ccaanangaa	tctcaaagta	tgtggtngct	480
tgcaaaaccc	tttcttcgct	tggcctgnaa	naaaatccaa	gggactct		528

<210> 767
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 767

gtatgagagc	cagatcctgc	agcccgtagc	ttaggaagag	cagtctctac	ggaggagcag	60
gaaccaggac	tcccatagtc	tctctctggc	ctctgtgctg	tctggcaaac	agccgtgtcg	120
ccttggcctc	gaaccctgga	gcctgcctca	ccaggagaca	gaatcaagga	caggggcctc	180
gccttggcac	caggtggccc	ttcgtgtgctg	tacataaaca	cttttcccag	gatataaata	240
aggtccacag	gcactcggga	ggaatgggtg	tgttgcgatt	tacggtcaag	gagaccagga	300
tgatcattgc						309

<210> 768
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 768

agaagaaaaa	ggcctccac	agagaatggc	caagccaggt	cactgctatt	tcccaacaga	60
aatgaaaact	ggaattgagc	catgtggaaa	gatggaccag	gccacaagaa	ggtcttcggg	120
acaaccctga	aagaggtgac	ccagggagac	agagtccagg	gtcctttcaa	atcactgctg	180
gcaggagcaa	agatcaagat	aggtgaaaacc	tgatattcaa	atgcaggcgt	ggaaaaagaa	240
taggcacagt	ggttcataca	tgtaatctca	gagctttggg	aggccgaggc	aggaggatcg	300
tttgaggcca	agattttcaag	gctacagtga	gctatgattg	caccactgca	ctccagcctg	360
ggtgacagag	caagactcgg	tctc				384

<210> 769
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 769

gagaggcaac	gtttcaccat	gttgaccagg	ctgcacgggg	tccatttttg	tgctcacctg	60
tattcctaca	gcctcacaga	atcctggaca	caaagaaaga	cttaacaggg	ttcattcatt	120
cctgaaccaa	agcggctgaa	cgatgtcaac	aggaccagag	aggctacagg	aacgccatat	180
tttcttctac	atctcttttt	ttaaaaatct	tattttcaatg	gagtcaaact	caataagggtg	240
aattaaagga	aaaagagctg	acccaaacaa	acaagcaaac	agaaaccttt	tctgtcctgt	300
aatgttttag	cgcaagataa	gaagtgcaaa	tanagaagtt	taaaaagcta	attaaagggg	360
tttgtttg						368

<210> 770
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 770

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cacgtttatc	ttcgacttcc	cggtcgtcag	aactgtcatg	catgctgtta	ctgatctgct	120
atctcatctt	gtcggttggc	atatggcagc	agagccaggc	ctgcagctcc	tccagatcct	180
gatggatctc	cttcagcatc	tcagaagcct	agattaggta	catgtaccag	ctgtgcagct	240
ctacctacat	ggtaggtaag	cctttccata	aaagtgaaga	aagccccgta	tgaatttttt	300
caatgaatca	agactctgta	taaaatcagt	tggctaaaag	gagagcacat	ctgctcactt	360
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caaaattgag	acaaggaac					439

<210> 771
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 771						
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gacttcctgg	gctcaagtag	atcctcccac	ctcagcctcc	cacatagctg	gaactacaga	120
gtttactcca	ttgctgactc	ctcattgaac	actttgctgc	accaacccaa	ccaactcaga	180
gggttagaga	attgtttgag	accctccta	c			211

<210> 772
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 772						
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gaattttcat	cggatgatcat	gactgccacc	cctaccgcgc	aatttcacaa	gtgggctctt	120
ataatcccac	aacagccctc	tgacagaggc	actgttatca	ccccgcttta	aaggagagga	180
agcggcgggg	caccgtggct	cacacctgta	atcgcagcac	ttcgggaggc	caaggtgggc	240
ggatcacgag	gtcaggagac	tgagaccatc	ctggctaaca	cagtgaacc	ccgtctctac	300
taaaaataca	aaaaaaagtt	taggcaggcg	tgtggggaca	ccccctgtag	tccaactac	360
tcgggaaact	gaggcaagag	aattgctgga	acccgaaagg	ggcaanggtt	gcagtgagcc	420
gaaaatcacg	tcattgctctc	tagccctggg	gacagaacaa	gacttttgtc	tcaaaaa	477

<210> 773
 <211> 567
 <212> DNA
 <213> Homo sapiens

<400> 773						
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ggaanaaaga	aaaagaangc	accaactctg	caaagtctctn	tgggaatctgg	gaagtcaagc	120
ganggcttnt	gccttnttca	tggtgaccct	tttgagcaag	ttcagcctgg	ttaagtccaa	180
gctgaattgg	cctcgctggc	ctatatgtga	ttctatatgg	ggcccgtctat	ngggccaaat	240
tcttttggct	ttttaccctg	gggaaagaaa	atactcatta	aagccacctn	ttgttattta	300
cccccaaate	ttcacaaagg	aaaaaaaaac	naactcccag	caaaagccct	tttttggent	360
ngnacctggc	tccttttgaa	aaccagtggg	gcentgceca	nngaattncct	ttgccccctt	420
gtgccccgcg	ccttacnact	tcnatcccc	accttacctt	ttggtccac	ttcttggmcc	480
ggncacaag	ntttcaagtc	canggtccnt	ccatnccttt	ttctttccac	tttcatttaa	540
cccacctaata	agaaaaagcc	cttccctt				567

<210> 774
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 774						
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ttggagaana	aatgagattt	ctttgncnag	gaaccagccc	gnccttttga	gcaagttcaa	120
gcctgggttaa	gtccaagctg	aattggcctc	cgctggccta	tatngaattc	tatatgggcc	180
ngctattggg	ccaaattctt	ttggcttttt	aacctgggga	aaggaaaata	acttcaataa	240

aggeccnccn tntngttttt aaccccccat tcttttnana aagaaaaaaa acgg

294

<210> 775
<211> 217
<212> DNA
<213> Homo sapiens

<400> 775
ggaccacact tcacaaaagg gagcaagaag gcagataacg gcaaagaaaa atgtttgtag 60
tttactgtgg aggaccaagt gagttttatac agatgtttac ctcccttggg attatttgct 120
gctggctaga atgaaaagac aaacattccc ttcaaacagt atgccattgc ctaataattt 180
tgcaagctca aatgaaatcc aaccaaattc agaattt 217

<210> 776
<211> 191
<212> DNA
<213> Homo sapiens

<400> 776
gcatcagcaa actttggcan cagaaagcan aggactccag gcaactgctca tccctacagg 60
ctgctgggtg aacaccctcg ccaaagaagg agactgcaga aatcctcctt gatggtatca 120
gctcactctc tcttaaattgt tcatccactt ttaattattt acaactaata aaacatgtaa 180
taacacggtc c 191

<210> 777
<211> 284
<212> DNA
<213> Homo sapiens

<400> 777
agtaaataat ttcaagtact gaactaattg ctggctcata aggcggagtg ctactgcatt 60
tctgaacagc aggtccaact gtctaaaaca cctttttctaa agcatgaagg aggtgatgg 120
ccatgtcaac gttttcctca agatcaagga atcaatcctt tacgttgtgt aatgaaagga 180
ttcattctgt tgatttcccc catacaaatt atgtgttcca cagatgaatt tctgcttcaa 240
cctctcggga ggcttaataa aaggccttga ggctttgaaa tgac 284

<210> 778
<211> 102
<212> DNA
<213> Homo sapiens

<400> 778
ggacaaagct tgggcccgna gntctccctt tggggacccc ccaccctcct tggnacaaang 60
cctgatgtnn agtcttgggt gcgactcata cgggcctggg aa 102

<210> 779
<211> 369
<212> DNA
<213> Homo sapiens

<400> 779
gagtcaccag gttcacggaa caagctccaa caagcaccct gtgctcagcc acatggcacc 60
tctcctgggt tctgcccatt ctgcgcggcc tctgctctgc tcaaatggct acttaccttg 120
aagagcttcc cctctaggct ctacctgaac ctactctct tccgggaatca gaagataaat 180
catttccaca caatatccga aaaggatgtc actctttcta ctatgtattg tggattctaa 240
gacacacag gtttttcaca cttggacatc tctgaagctg gggatgtatc ttataatcca 300
agttgctcag ttataattag cattttttct ttctcagtgg tatataaaac aatgatacaa 360
cttcaaaag 369

<210> 780
<211> 174
<212> DNA

<213> Homo sapiens

<400> 780

ggacatctga	atcaagctat	gtaaaggcaa	aacctacctc	atgctcagag	actcagcatc	60
ctcactgaat	gcgtcatcac	gcctgatgaa	gcacaagaga	aaacaagaga	aactgaagat	120
catctatatt	tagtgctaga	aaagaatcac	aaataaatat	taaaatacac	actc	174

<210> 781

<211> 359

<212> DNA

<213> Homo sapiens

<400> 781

gtcatgtgac	ccaagaccat	cccataagcc	ntgantttng	gantttttggt	ggancngenn	60
ggaaaaanaa	actttncntt	cattggantt	ggaatggann	agggcgggtca	gtttgaattt	120
gcagggnctt	gccttgccgc	ccatgggaaa	gggcttgccg	aggactggaa	ntaccaagg	180
agggaggcag	aggacaccgg	atgtgggtga	aaatacgggc	cctaacacat	cattttganc	240
cttggattca	cccctgcctg	gccttgaaac	caatacatta	ggccccaat	atattatng	300
gaatatatat	atttnggaat	atggtgtatt	tagaanccaa	tttattagaa	acccaattt	359

<210> 782

<211> 194

<212> DNA

<213> Homo sapiens

<400> 782

tgggatcaaa	gaaagcacca	gtttctgaag	acattttaata	cctgaggnet	caagactagc	60
acaaacttca	tttttaaaac	aatctacgtt	gccttgtttt	atgtntaaga	tccaaangtg	120
ctagacnagt	tctttattgt	caatctacca	tgtgtgcgac	cancaacnnt	taaggatgac	180
ttttgttaaa	tatc					194

<210> 783

<211> 390

<212> DNA

<213> Homo sapiens

<400> 783

gtggcaaccc	tgcataaatc	aaatctatca	ancaccattt	ttccaacaac	atatgtctac	60
ttttcatntg	ggtcangcat	tttttancaa	tattttaaaa	ttaagatact	gccatctttt	120
gcaaattgaa	ggtttgccga	aaccctgcat	ggaggaagtg	tatcggcgcc	atttttccaa	180
cagcatgcgc	tcacttttgt	tcttttttca	cattccccca	aagagggaaa	cagcacagga	240
ctgggcagtg	caatgtcttc	atagtgcacc	tcattgcatg	gaccgttccc	ctgaggctgg	300
tgggcaagcc	agcgccaagc	aaccactct	gtgatcaacc	cactcccat	gggaagtctt	360
gcccttggtg	gcaagtgttt	ccatagtaaa				390

<210> 784

<211> 399

<212> DNA

<213> Homo sapiens

<400> 784

ctnacntntn	nagtccaact	gagnannaan	gcattggtct	nganggagng	aaggnnattc	60
cctnagaggc	cacaaaccag	ggaacgcca	ggcggtctga	agctaccaga	agagccagga	120
gaggaaccag	ggatgggttc	tttgccctac	agccctcaga	ggcgccaacc	ccgctgacac	180
ctggatctcc	attcctagcc	tccagaactg	tgcaagagta	ccgtttctgc	ctctttctgt	240
aggaaaccac	ccagggtgtg	gtgatttgta	tggcagcccc	cgacactctg	gcaagctcca	300
tcccagcgtc	ccctcctccc	atcagctgtg	acctcatgtt	cctctcctgg	actctgttgg	360
actcatggca	agaatatctt	aataaacgca	tgttaaagc			399

<210> 785

<211> 117

<212> DNA

<213> Homo sapiens

<400> 785

gactctggga	gctcctgctt	ananctnnnn	tgttagaatt	ggaagctaaa	gctaccaaaag	60
acgtagaaaag	aaatcttagc	agggatttag	tgcaagaaga	agaacagttg	atggaag	117

<210> 786

<211> 262

<212> DNA

<213> Homo sapiens

<400> 786

gaagccctc	tggatgcagt	ccaccagaga	ggagcagtc	attatcaaag	aagattatgt	60
gggctggaga	cccaatgcag	gagggagca	gcaggagttt	ctgggaggat	ggcagagggga	120
gatgacggga	taactgcact	ccaggtggca	aaagcaacct	atcctgacag	gacagtgtga	180
cccaagagcc	atgcacagta	aggggtatca	tcgcatgcc	ctctgcctca	tgcaatctta	240
aataaatatg	aatatattca	ac				262

<210> 787

<211> 513

<212> DNA

<213> Homo sapiens

<400> 787

gnnggaaagc	tagncgnncn	tgnannncca	gtgctggagg	aagncnann	acatctacnc	60
cacacanaan	naagncnatn	attnacaggg	cattttacta	atnanangcc	atgctgggnn	120
ngcagnggtg	cantttngnc	tnactgaann	ctctgantgg	nggggtcaac	gatccctccc	180
acctcagcct	cccagagtagc	tgggactaca	gaaattatc	ctttgcaggt	ggtgcaaagg	240
atcagcacgg	gagttttgac	ctgctccgtt	tccgacctgg	gtcggttcac	ccctccttag	300
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cacctgatgg	gcacagtga	ctgcagccca	gagctcctga	gctcaagcca	tcctcctgcc	420
tcaacctnca	agtagccagg	accacaggcc	cccccttgn	ggggaagaaa	taccaggtgc	480
gcatgcttca	anaaaaagcc	gctgaggacc	cgg			513

<210> 788

<211> 284

<212> DNA

<213> Homo sapiens

<400> 788

gaagccaact	ctcagggtct	tcctccgctt	ctgtttcttc	atgccccttg	gtggaggctc	60
ccagatggac	gctcagacac	ggaaggtcca	gggagatgcg	tggatctgcc	gccatgtggg	120
tggaccaagc	tggtgcctcc	attggaagcc	tctgtccgg	gccacatcct	ccctgggttc	180
cagtccccac	ctgccaggtt	gacaattagg	caatttgatt	tactaaggag	aagacaaaga	240
aagaaaagga	gaaatatttc	aagaaaaaaa	agactgtgaa	aaag		284

<210> 789

<211> 400

<212> DNA

<213> Homo sapiens

<400> 789

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gaatgcenca	cannatgaa	ggcangtgat	gcattctaaa	ggccaagaaa	tgtcaaagac	120
tgcttgcaaa	ccaccagaag	ctaagagcaa	aagcacaata	gcgattctct	cccacagccc	180
tcagaaggaa	ccaaccttac	agacatcttg	atctcaggtg	tggagcctcc	agaactgtaa	240
gacaacaaat	atctgctgtt	ctaagctact	tagcttgtga	taatttgtca	aggcaacctt	300
aggaaataaa	tacaggggaa	ttcaaaaaaa	aaaaggcngg	ngnggncnnt	naanttnggn	360
nttancnagn	cngantttgt	tnaaaagggg	gggggggggg			400

<210> 790

<211> 432

<212> DNA
<213> Homo sapiens

<400> 790
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aggctcatgaa agccactgaa agactgagaa ctgttccaga aaggagacta gagagacatg 120
gcagccaaat gctccacata atcctgtcct ggattcttct cctacaaagg aaggggtctg 180
aggattaggt ggtagtactg aatcaaggaa ctatcatctc ctattgtgct gtaggatctt 240
ggcagccaga cccagctcc cactttccct gaaagctccc tttaatgaag ctgaacgctg 300
tcccagcaat tccctccaca gaagacctac tgtcaccacc tctggagggg caattcctgg 360
aggaaccaag tcagccaatc gaaggtcctg aataagcaaa aactaagtaa ataaattacc 420
atctcgaaag tg 432

<210> 791
<211> 520
<212> DNA
<213> Homo sapiens

<400> 791
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tccaaggagc aggttcaagc acatggtggg gaaaagaatg aagctgtttt ctcttgtgc 120
cctccaaggt tctcctctta caatatacta cttacctcgt ttctcctgga attctcaata 180
tctgtctagc ccagcaggtt gaaagatgtc atcagcacgg tgactggctg agatcaaadc 240
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gattcactta tctgtacgat gtggataatc gtaggatcta cctcatggag ctattgngaa 360
gattaaccag ccacaaagat cttaaatcag ggtctagctc atggtaagtg ctcaatcaat 420
gatagcaatt tatcatcatn cctcttcant ggaanaccct gatgttcatc aaaaaattta 480
atgctcatta acctctaaag aaaaanggaa aggagaaaga 520

<210> 792
<211> 350
<212> DNA
<213> Homo sapiens

<400> 792
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tctactgtcc atggggcgga ggtggagctg attcatacag aatttgagaa tcttgccttg 120
cttaccatct aaagatgact caaaagcttc ttacatccaa atgaaacgct tcaactcgtt 180
cgtaaagaat gtggcatctt taggggttgc ttacagtgta cactatgaaa acctggatga 240
cagcaacggc ggtggcagca aagtaaagca gcaaagtaaa aaaaaatcct gttttgtaat 300
ctccctttgt caaatcacc cccaactggt aaaataaatt cttaaacatc 350

<210> 793
<211> 409
<212> DNA
<213> Homo sapiens

<400> 793
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ggctttgaga aaaagatgca ggaaaactca agacaggatg ccatgctgct tttggacatt 120
accaaaaaca gcagaagagg gagccccgca aaggggcact ggtatgacct ttatgatgga 180
gaagaaagtg attacccctt ttctgcctct gcagccacaa aacagatcaa aacctatttc 240
agaacaagct aacagactct aagaaaaatta tgtaagacat gaaagtatgt gaattgttac 300
agcaatcaga aaagaattaa aaaatttaaa aatgcatttt aggagcaaag actaaacaac 360
aaataaacac aacatgtaat gccctaagaa aaacagaggg gtgaaaatg 409

<210> 794
<211> 276
<212> DNA
<213> Homo sapiens

<400> 794

cagnaccta	gtggctaagc	tectacntcc	tgttctggaa	ggnenttcc	gaccncacac	60
atgagccata	tntctttcat	acngacantn	tatnggtgag	ggaaaggcaa	catttggaag	120
gactggacnt	tttaccttaa	ggggatttta	aaaaatcacc	acaatggact	attatcacia	180
cntnggattc	aaaatttatg	gattttccctt	ccttttgggt	acccaaaagg	tggacttngg	240
aagaaaaaga	ngaagttggg	agcttaaaat	aaaccg			276

<210> 795
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 795						
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acctccgcct	cccgagttcg	agtgattctc	ctgcctcagt	ctctggagta	gctgggaata	120
caggcaccca	ccttcgtgcc	cagctaattt	tttgtttgta	tttttgtaga	gaccgggttt	180
caccatgttg	gccactctgg	tcttgaaactc	ctgacctcag	gtgatccgcc	cacctctgcc	240
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tggcagggtc	gcactccctg	caaaggctgt	aggagacaac	ccatctttgc	ttcttcagct	360
tctaggggct	tccgcagcat	gccttggcgt	gccttgcttg	nggctgcatt	actccaatct	420
ctgcctgnat	ggcaaaaatac	cttctnctgg	gccatctatc	ttcctgnggn	cacttataag	480
gacaggtatc	attggaatta	atggccctcc				510

<210> 796
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 796						
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actagcgctc	ctcctctgta	actgaggaac	aagatgccaa	ggagacagga	gaaagaagag	120
aatncctttc	tngtttnggc	cntaaccenn	gaancanant	ngncntgan	cntngtaaat	180
aagttacatt	tctgcagagg	tgcttgacgt	tcacaccgtt	tggattgctt	tattaaaaga	240
ctcttttttag	agccc					255

<210> 797
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 797						
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caggcatggt	ggctcacacc	tgtaatccca	gcactttggg	atgccgaggc	agctggatca	120
cttggtgtca	agagttcaag	accagattgg	gcgacatgat	gaaaccccg	ctctactaca	180
aatacgaaaa	ttagccattg	tggtggcaca	cgctgtaat	cccagctact	caggaggctg	240
atgtggggaga	actgaaccct	ggaggtggag	attgcagtga	gccaagatgg	cgctactgtg	300
ctccaacctg	ggcaacaaaa	caacactatg	ttttaataaa	ataaataagt	gctgngatct	360
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ccnggntgan	gtttttttta	aggggggggg				450

<210> 798
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 798						
ggtcttactc	cagttgccca	ggctggagta	cactgggtgtg	atctcagccc	actacagcct	60
tgacctcccc	gactaagggtg	tttctcccac	ctagcttgat	gactttattt	gtgtactttt	120
ctgtattcca	aatcctttgt	aatgactatt	gtaaaggatt	acattatgga	gctcaattat	180
ttaggaaata	aatccctcag	acactt				206

<210> 799
 <211> 571

<212> DNA
<213> Homo sapiens

<400> 799
gacgtctggg gagctcctgc attaagtcag aacttgaann ggagcttaat ggtggccncc 60
aagctngang tgnccacggg aggatcttaa cttactggaa nctttngctt ccgggttcaa 120
gcgaatcttn nacctcaacc tnccgagtag ctgggattac agacgcccc ccttatgctc 180
ggntaatattt ccganttttg gaaaaaaggg gnttcacat tttggccagg ctggncctga 240
actcctgacc tcangtgatt cgcctgcctt ggcctcttaa aagtgctggg aatacaggcg 300
tgagccaccg ngcccaaccc aaacgtttat tttctaattt acagggtcagg gggaaagaaa 360
gntttatttt ggtttgcttt ttcccttgag gaactgaatg gtttctcett tctgaattta 420
aaggaaaata acttactggg ggtctctttt ttgcctcaa aatttgctan ccagtaagn 480
cccttgtagc tctgttattc tttataanca acaatgcccg ctttttnccc nccctgaatt 540
ttcttggggg ctactgggct taaccctcat g 571

<210> 800
<211> 204
<212> DNA
<213> Homo sapiens

<400> 800
gctacagggg ggcactggaa gaatttaaag tgggagaatg atatccattt ttcactccaa 60
gttgaaaagg cacaaaactg gaggtaaaga agtctacata ggagggtcaag gactcctttt 120
ctggattatc ctaattaact attaaggagg aagaattaga gacctagatc ataacagata 180
attcattaaa ctagaacttg gaag 204

<210> 801
<211> 528
<212> DNA
<213> Homo sapiens

<400> 801
gtaactccct tcccaaccca tgggagacaa agtggctggc ctgcagaagg catccaggag 60
ggtgacgaaa atgaatccaa ctaaaaatac ttgcttctct agtcttcctt acaattagga 120
gtagccttgt aaccttggtt agccgacaag aggaatgtcg agatttgag ggagttttgc 180
tccgttgccc agactggagt acagtggcac gatctcagct cactgcaacc tccaactccc 240
agattcaaga gattcctgtg tctcagcctc cgaagaagct gggattacag gcatgcaaca 300
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gggttacagg catgagccac cacgcccggc caagacaata acatttttaa tcctacatca 480
aaactttaca tttcaaaaaa tgcattttct angctgagac atttttat 528

<210> 802
<211> 468
<212> DNA
<213> Homo sapiens

<400> 802
ttgaatacaa ggatgtggtc aactatactg ttcttaccgt tgaaaaagaa gtgctgaggc 60
caggcatggt ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca 120
cttgtggtca agagttcaag accagattgg ggcacatgat gaaaccccgct ctctactaca 180
aatacgaaaa ttagccattg tgggtggcaca cgcctgtaat cccagctact caggaggctg 240
atgtgggaga actgaaccct ggaggnggag attgcagtga gccaaagatgg cgctactgtg 300
ctccancctg ggcaacaaan caacactatg ttttaaataa ataaataagt gctgagatct 360
cagaaaattc ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngggggg cgggggncct 420
ttttntttt natttaaacc gggttanttt tttaaaaagg gggggggg 468

<210> 803
<211> 212
<212> DNA
<213> Homo sapiens

<400> 803
gcttatgtgg gactgctctt cttcncagaa cagtggctan natgacantt ttattatgat 60
ncacttccac ttaatgaaca gcctgagccc cttcaccttn tgccatgngt ggaagcagcc 120
tgaggacctt cccnaagggc agantctggt ggcagtctcc ttgtccaatc tgcagaacta 180
tgagccaaat aaaccatttt tctttataaa tt 212

<210> 804
<211> 323
<212> DNA
<213> Homo sapiens

<400> 804
attatttttgc ctttctgcct tcttccatgg gaaanactgc aatgaaagcc ctggccacat 60
gcanccctt catgttggac ttncagtcn tnagaacccat gagccaanta aacttctatt 120
gcttatnaac tactannatc tcaggcatct tgttaccgga gcacncantg gtcttttnaca 180
tttaataatg tgaaatgcnt tggagtntgc tttgtacatg atnagcactg antaaatatt 240
anagatcctt angnggganc nntncattgn tacctctctt ataataattt aaaagttata 300
aaacccaaaa gccttcgaac tgt 323

<210> 805
<211> 477
<212> DNA
<213> Homo sapiens

<400> 805
accgagtctc gttctgtcac caggctggag tgcagtggcg caatctcggc tcattgcaac 60
ctccacctcc caggttcaag tgagtctcct gcctcagcct ccccgtagc tgggactaca 120
ggcgacacc aacacaccca gctaattttt gtatttttag taaagacggg gtttcacccat 180
gttggccagg atggtctcga tctcttgacc tcgtgacca cccaccttgg cctcccaaag 240
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caatctgttc agtcattact attccttccc ccttccctaa gtaccatggg aaatgaagca 360
taaagcactc aaagtccaag gaaaaggcaa cattcaggat cagttncaga atgtctgnct 420
ctttcagacc catgctccca ccagttgggc atgcattctt caacttggat gcctatg 477

<210> 806
<211> 324
<212> DNA
<213> Homo sapiens

<400> 806
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ccaacatggt gaaaccccggt cttcactaaa aatacaaaaa ttagcctggc atggtggcgc 120
gcacctgtaa tcccacttac tcaggcggct gaggcagaag aatcgcttga acccgggagg 180
cggaggttgc agcgagccaa gatcacacca ctgcactcca gcctgggcca cagagcaaga 240
ctccgtctca aaaaagaaaa aaaaagaatt ttttttaaaa cttcaataaa aacttaggtc 300
ccattaaatg gtaaatctgg ctcc 324

<210> 807
<211> 288
<212> DNA
<213> Homo sapiens

<400> 807
ctatgtcctg cttctccact tacaagggtca tatgcaactc gaatctctgt ctaccaccc 60
ggcatccacc cttccagacc ctgcttaaat gctacctcct caaatgccaa cgaactccaa 120
aactcggttg ttcattctgg tggaaagctga tctctccctc cttggcagcc tgtgtcccg 180
tgatgcgttt tgtaaacttg cagctacttt gatcttgtct tggattgtac ttgggtctta 240
ccttaaccct tgggtccagat ggcaaatacg gacagcccct gtgagctc 288

<210> 808
<211> 277
<212> DNA

<213> Homo sapiens

<400> 808

gactgcccc	gtctacacaa	atcccttcct	tctagcagac	tgagtcacac	aagaataagg	60
agagtgaagt	ctacatgttg	gggactagag	tgaatcgaag	cttttctgga	aggagctccg	120
tgaacctggc	tttgagaatc	tataaaaaac	aagccaagta	aaatgtccaa	gaggtagtgg	180
tgctgaagaa	tccaagaact	tttcgaaata	cttaacaaaa	ctatcacaaa	tgtattccaa	240
taaaacattt	tgcatagca	nannaaaacg	aaaaaat			277

<210> 809

<211> 418

<212> DNA

<213> Homo sapiens

<400> 809

gaaaagcacc	aaggatggag	cagcctggcc	tttgccccat	gctggttcct	gcagggtgcaa	60
agggagaact	actgctaata	ggacagagaa	ggccatgct	gcacatggtg	cagagatcaa	120
caggctctga	gcctccagag	ctgtcagcct	agtgttttc	atgcgcctta	aaagtgaatc	180
agagagaaaa	caaagaagg	tcactcttga	gatcttcagt	ccctggcatt	gctggaagta	240
aatatgaagc	atctgggaga	aacagagact	atattcaaaa	gtttacataa	aactgaacag	300
aggagggagg	cggagagggg	tgactggtga	tggtccagag	taaaaaaga	aaaagaatcc	360
ttttcaaata	tattggagaa	ctcctactac	tcattcattca	gtaaaagcca	atggaact	418

<210> 810

<211> 394

<212> DNA

<213> Homo sapiens

<400> 810

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ccagcacttt	gggatgccga	ggcagctgga	tcacttgttg	tcaagagttc	aagaccagat	180
tgggcgacat	ggtgaaaccc	cgtctctact	acaaatacga	aaattagcca	ttgtgggtggc	240
acacgcctgt	aatcccagct	actcaggagg	ctgatgtggg	agaactgaac	cctggagggtg	300
gagattgcag	tgagccaaga	tggcgctact	gtgctccagc	ctgggcaaca	aagcaacact	360
atgtttttaa	taaataaata	agtgtctgaga	tctc			394

<210> 811

<211> 473

<212> DNA

<213> Homo sapiens

<400> 811

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gattccaaaa	cctcccacgg	tctggcgata	aacatcaagg	aatcaatggc	agaatacttt	120
cctgagaaat	tactccatgc	ccttgggtct	agtgaagcct	atttcatcca	tctcggaggg	180
tccatattct	gtgagaaaa	ggccccgtca	ctcaagagt	atgaaatccg	tggagcacgg	240
ctgggctaga	aatgattacc	aaagcccgtt	aggagatgcc	aacagagact	atattaacca	300
tcattccctc	tgtcacagca	atcttgaatg	aaagaggaaa	gaagactttc	tgctgggttat	360
ggnatcttcg	ggaatcatct	gacagcttat	ttattaaatg	cattttaatat	taattctnct	420
tgnactctag	ctgaccttca	gaaacattcn	cgagtcntta	agaaccccaa	agc	473

<210> 812

<211> 301

<212> DNA

<213> Homo sapiens

<400> 812

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tttggctcac	tgntctgcng	gctgtacnnn	aagcatggca	cctgcatctg	ctcctatatn	120
agttgncagc	tntgntccct	cacacacaaa	ggngngtgtt	aagaagttac	ttcaaggact	180
gatgtcagag	gcnaagnact	atattgnttt	tctgttnagtt	tctattagta	gattttgtat	240

gttacagaat atagaactag cagaatacaa tgaatcttaa tgaaccattt attaccctgc 300
t 301

<210> 813
<211> 370
<212> DNA
<213> Homo sapiens

<400> 813
gaactgagtt gaatacaagg atgtgggtcaa ctatactggt cttaccattg aaaaagaagt 60
gctgaggcca ggcattggtg ctcacacctg taatcccagc actttgggat gccgaggcag 120
ctggatcact tgtgggtcaag agttcaagac cagattgggc gacatgggtga aaccccgtct 180
ctactacaaa tacgaaaatt agccattgtg gtggcacacg cctgtaatcc cagctactca 240
ggaggctgat gtggggagaac tgaaccctgg aggtggagat tgcagtgagc caagatggcg 300
ctacttgtgc tccagcctgg gcaacaaagc aacactatgt tttaaataaa taaataagtg 360
ctgagatctc 370

<210> 814
<211> 212
<212> DNA
<213> Homo sapiens

<400> 814
gtctctggct ccaaagagtg tacacctgag gagttgtagc caagggtttt catcctcaac 60
tcacctgatg cagagcatga gatctaagac tgtgaacctg atgcaatatt gggatgagac 120
ccatggagat cctggaatgg gaatgagaat attttctata tggaaaaaat gtgaataagt 180
ttcaaccaga cagcagctctg tggtagattg cc 212

<210> 815
<211> 196
<212> DNA
<213> Homo sapiens

<400> 815
atcattcctc tgggggaaac caattgccat gtcataagca gccctgttga gaggaccaca 60
tgatgagggg gtaagcctcc tgccaactgc catgttgntg agcttggaac tgcagcaatg 120
gctgacatnt tgacttgaaa ccttacgtga gacctntgg attcctgacc cacagaagct 180
gcntgagata ataaat 196

<210> 816
<211> 188
<212> DNA
<213> Homo sapiens

<400> 816
agactggatc tcaactactg cctagctctt gaactcctgg cctcaagcaa tctcctgccc 60
tcaacctccc aaagtgtctg gattacagga gtgagccact atgccncaca tggattatt 120
attattgtta ntaatactac attgtgcttc ataaataatt gctaaatata caagaatatg 180
tttgtttc 188

<210> 817
<211> 394
<212> DNA
<213> Homo sapiens

<400> 817
gctctgaggg gctccaagaa gctgggtgctg tctgtgtact caagcagggc ngcatccctg 60
ggggctacgt caccaaccac atctacacct ggggtggacc gcagggccgc agcatctccc 120
cactctcggg cctgccccag cccacacggtg gtgccctgag gcagcaggag ggtgaccgga 180
ggagcaccct gcacctcctg caaggagggg atgagaaaaa ggtgagtggg gtgggggaaag 240
gaggccagcc tctcagacac cgtattctcc ctccgaacc agaacagcag agctgcttgg 300
aggccgcaag aagaggctgg ttctgtccag gctctgtctt ccctcaagtc tgtactgaaa 360

gggtggngtt ttttctttgc ttttcttttt gacc

394

<210> 818
<211> 392
<212> DNA
<213> Homo sapiens

<400> 818
ggtttaccag gtaangtcgt tttcctggga aaaagaacga gttgaaagga agagcaagga 60
tccgctccgg acctcactcc tatattttgc tgagatgaaa accacaatcc ctgcactgcg 120
agactcatct cataattaga aaacaaagga ttatccaccg ggttctctcc cctcgccctg 180
tggccttgct gctcccctgc agttgctcca aatgacaaaa taatgacggg ttcgccttgt 240
gagagagggt ggccctgctca actccacgct ggcgctctga ggggggcaga agatgcctcg 300
tctcatttat gttgcaaaca gccttaaaaa ggacctgcag ggcgctgggc gtggtggctc 360
acgcctgtaa tcccagcact ttgggaggct gg 392

<210> 819
<211> 387
<212> DNA
<213> Homo sapiens

<400> 819
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ctttgggagg ccgaggcggg tggatcacct gaggtcagga gttcaagacc agcttagcca 120
acatgatgaa actccatctc tacaaaaata caaaaattcg ccagggtgcgg tggcagatgc 180
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tggtgcagtg agctgagatc acgccattgc actccagcct gggcgacaag aatgagactc 300
cgtctcaaaa aaaaaacaaa aaaaaccccn cncntntnaa aaggctcctgg aatcatttan 360
ntnatgggtn taanaaactt gaatttt 387

<210> 820
<211> 636
<212> DNA
<213> Homo sapiens

<400> 820
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ggtttggaaa agtggganac ttgcgggtga tgaatnaaan aatgaantgc cattggnang 120
ctcttggtgg atgggaaatg gataaagaag tggaaagaaa tcancttccg ctttcctttg 180
cagaactggg ccctatgata tgggatgggt ggatgatgcg cctgggaaac aagtcaagca 240
agcaacttcc cgaaagggac aaccgaagat aagcaccttt tcacaaacct tcggggaaac 300
cgttcatttn ccccgcttga aacttctcac caagcattgg gcccatctcn gnggggngt 360
gcttcttctt tccttgggtg ccacttgact tggcttgggt gcccacacac aatgttgctt 420
ggccttacaa gcanccttgg ngggcntttc ctccgataaa aggggaacca ctttctctta 480
attnnttnc taaatttttt ttttngggg aatccnnggg aanaccccc cttccaagcc 540
ccttgaaagt nnnagggact taancccttg gggctttttt tttttnaaaa aaaccaaaaa 600
gggggttttt ttttggagg aanaaaaccc tttttt 636

<210> 821
<211> 395
<212> DNA
<213> Homo sapiens

<400> 821
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ccaccttggc ctcccaaagt gttgcgatta caggcatgag ccactctgcc aggccaaagaa 120
gtctttctta acggaccat tccaagcact tcaaccctag agtttgcatt gcagtgtctt 180
gcgtttccct tcaggccagt aataggattc tggatggcgc atgggctctg gtattaattc 240
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aacctccacc tacttcacca ccttcatctt gtccaatact gtccaaactc actttggaga 360
agaataaaca ttctttgctc tactttccac tgctc 395

<210> 822
<211> 143
<212> DNA
<213> Homo sapiens

<400> 822
gtcataagaa gcttacagca ttctgtggta tactgctgaa gagggtgggt gggtggagga 60
agcanatggc atgaaccctg ccttctctta agagggtgtg aaatgtgatg attcaggcctt 120
ttaaattaaa tgcataaaga ttc 143

<210> 823
<211> 442
<212> DNA
<213> Homo sapiens

<400> 823
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caacagagat gagctgggga agagagagga aataagaatc ctacccatga ttcaagtcac 120
tgtttaaatg ctgcctacat cttcatttat gcttcaacgg gatctcatga ttttgtctga 180
ttctaaatct ttctgtctca tggtaacctt caaaatcaac agccctgtga ttatgggtgaa 240
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cattcccaga gaattgtcat tatttgaact gttagtggt tttctggaag accccacttg 360
caagaatgtc tttatttgac ctgacctgct cagtgtctaaa aatctaggga catttggtgc 420
gctcaattaa aaaccattgg tt 442

<210> 824
<211> 625
<212> DNA
<213> Homo sapiens

<400> 824
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tggtggatgg ccntanncg aaagcnttgg ttgaaccnnc aaanatgggg atcaaggncn 120
tttgaacaaa gangggatct gancgcacct ttctccngca cagctttgggt naangaaaag 180
gctattcacc ttntggactt gaggnacaa caagacaatn ctgcttgctt ntnatgcccn 240
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cgggccaang aacctccctg gtcaatcttc aanccttgggt tccttggccg aanaaaaaagn 540
aatcccatca ttgggggttg aaggcaata gccggcnggg nttggcataa cncctttgaa 600
taccgggntt ancttggcca ttttg 625

<210> 825
<211> 161
<212> DNA
<213> Homo sapiens

<400> 825
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ccacccttga ctgaggtaat catcagttca aaggcaactc cttgttttat ctttgcacta 120
attgcttaga gaaataacca gacaatataa tttatgacaa c 161

<210> 826
<211> 162
<212> DNA
<213> Homo sapiens

<400> 826
aggagaatgt gctggctctg atgttcagt acaagggaac agagagaggt aggaaggcct 60
gaaccagcca agagacttta cctgaggtaa aaattcctct tccttcaatg cctcaaatca 120
ggatcttgaa gttggaaaat aataaaagct tgtacagatt cc 162

<210> 827
<211> 505
<212> DNA
<213> Homo sapiens

<400> 827
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ttcttgaaac tctggggagg catggaaaca tcacattgca gcagatgctg gggatgcagc 120
aatgaacaag acaggccaga tccctactct cagataaaca caatgatcca ggtcagtagg 180
catttggttag gaatctgcat caaactgttg ggcaatggta gacagcaaca ttgacgtctg 240
taaatttaca cttggatttt aagtttcttg ntggctgcat ccttcttctg aaagccactg 300
ctcttttcaa aaaaacctcc taaatggcta aancctcttg ggttgcaaca agttgctctt 360
tttccttgag ccttaagtta aggagtttgg gnagaagtaa tggcttcccc cactgctaac 420
ttcaaggngc tacactttct cttttctaag ttctaatact ggcttacnca ttataaaaaa 480
cccttantna aaaatcccca attat 505

<210> 828
<211> 350
<212> DNA
<213> Homo sapiens

<400> 828
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tgggtggctca cccctgcaat cctagtacgc tgcgaggccg aggtgggagg atcgcttgag 120
cccagagttc cagaccagct tgggcaaccg tggtgaaacc ccgtgtctac aaaaaaaaaa 180
tttagcctgt agtcccagct gcttggggagg ccgaggcagg tggatcgcta ggactcgga 240
ggcggcagct gcagtgaagg aagatggcgc catctcactt cacctgggcn acanagcaag 300
accctgtttc caaaaaaaaaa ggaaaataaa aaagtngtaa aaaaaatttt 350

<210> 829
<211> 479
<212> DNA
<213> Homo sapiens

<400> 829
agacctgaat tataacaagg ctgcaggagt tccctgtggc catccggacc ctgggcagac 60
tgcaggaact ggggttccat aacaacaaca tcaaggccat cccagaaaag gccttcatgg 120
ggaacctct gctacagacg atatctctga atggtgccat ggacatccag gagtttccag 180
atctcaaagg caccaccagc ctggagatcc tgaccctgac ccgcgcaggc atccggctgc 240
tcccacggg gatgtgcaa cagctgcccc ggctccgagt cctgtgagt ctcacaagaa 300
ttctacagtc ttggcattgt gcccctaccc ccattgtccc caaaaagcct cttctgcttc 360
tgtccaattg gtcattttcc tttctggaga atgggagcaa cataagcttc tgctgaaacc 420
tacccecaaaa agaaccgggt ttgaagnaca agttttgccc ttactaactg gaatggatt 479

<210> 830
<211> 505
<212> DNA
<213> Homo sapiens

<400> 830
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gaagaggact gagagggtct ttttttccat gagagtctca ctctattgcc caggctggag 120
tgcaagtgg gcaatcttgg ctactgcaa cctcctcctc ccaggctacc aagttgctgc 180
ctcaacctcc cgagtagctg gaactacagt ttacagagtt gcagggggag ccaaaacctt 240
gccgtaatcc taccattcac tgctgtgagt aatgaccatc tgctggggac tggagaagac 300
ccacccaatc aanttgactg gcttgggttg cattgataaa aggaangnca caanaaggcc 360
aataggattg agaaccactc ttccagnggn gggaacgata tgcagccacc cgcaaaaatn 420
gnttcaactn tccantgnag gtnttttaaa aaatctntnt ntttgacata ctcttttttn 480
aaagngngtc ccaaaccaaa taaaa 505

<210> 831
<211> 461

<212> DNA
<213> Homo sapiens

<400> 831
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cctcatcggt tccagcccg cagcgacttc acacgggctc attaaactcc caaataacag 120
acttgctgtt tggctttggg gtttaagtgg cctggaacca aaccggaagt atagctgagg 180
tatgcctata gtctaattaa cttcacgaac tgcctcggga aagaatgaat gaactggaac 240
ttcatgcaaa agtgatataca ggccangcac ggtggctcat gcctgtaatc ctagcacttt 300
gggaggccaa ggngggcaga tcacctgggg gcaggagttc gagaccagcc tggcccacan 360
ggtgaaacct tgtctcttct aaaaatnaaa aaaantaact tgggcatggg gggccatgcc 420
tgtaatncca ctncnttggg aggnnttgn caaaaaata c 461

<210> 832
<211> 502
<212> DNA
<213> Homo sapiens

<400> 832
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acggatacga ccagatggcc ggaagtaact gaagaatcac aaaagaagt aatatgccct 120
gccccacctt aactgatgac attccaccac aacagaagt taaatggccg gtccttgcct 180
taagtgatga cattaccttg tgaaagtcct tttcctgggt catcctgggt caaaaagcac 240
ccncaactgag caccttgnga cccccaactn taccgncag aaaanaaacc cccttgant 300
gaaatttttc tttacctacc cnaatctata aaacggcccc cccttatctc ccttcaactga 360
ctttttttta ngacngggcc cccctgcccc caggnaaaaa aaaaaagcct tnttcttnaa 420
aaaaaataaa aaaagnnnnn nnnnnnnggg gccggggggg caatnnagtt nggatttaac 480
caaagngggg ggggggtccaa aa 502

<210> 833
<211> 427
<212> DNA
<213> Homo sapiens

<400> 833
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cttgaagata cagatttcca gtgcaccatc agaagccgga gtaactgtga gtgggaggca 180
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agtgtggat gacaacattc ccacactgcc ctcggacaca tcacagacc tggtagcaca 300
ggatccctct gattcaactg aagaagagat gcanaagctt gcattgccacc aagtaactaa 360
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ttgtcat 427

<210> 834
<211> 427
<212> DNA
<213> Homo sapiens

<400> 834
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gtgaatttac atttcatttg catgagcttc atgtctgcaa ctaggttgtg gtgaccttga 120
gaacgagggg atcaagagcc ttgtccagca ctgggagtg aggtgggttg aaatcccga 180
cccccggtcc accagccttg gcctcctgca gatgctaggc tcaggatgaa gtgcggccga 240
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ggcccaactaa ctgctttttt atgattggca cttactggct ctgatttaac ccacttaaa 360
gagtgggtggc agcaattgtg gagggcctca aaggagagct gatgcaagt agggcaaagt 420
atatata 427

<210> 835
<211> 426
<212> DNA

<213> Homo sapiens

<400> 835

aaacactcgg	aaggcccagc	ggggccacgc	tctgccaaag	agaggctgac	aaggagcagt	60
gggagggagt	ggtggccgca	gagaggggat	gaacatgttc	gtgggtgcca	ccacctgcct	120
ccctgcagt	gttggacttc	tgtaatgtta	tgcaagtcgc	ccaggtcagg	gtgcgtgatg	180
acgacaggag	gcccaggga	caggagaagg	ctgagccgtg	gagcataccc	atgccaatgc	240
catttcaga	gctcttgggg	tagcagttga	ggcccatttc	ctctcccca	agaacctaca	300
acactctggg	cccccaaaa	acaaccccat	ccatcttggg	aagaatgtgc	agaaaagagg	360
aaggaatggc	cacctgtcaa	ctacattgtc	acagtactgc	acatgaccat	caccaaagtc	420
ccgcga						426

<210> 836

<211> 243

<212> DNA

<213> Homo sapiens

<400> 836

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gctcaaact	gcacacaggc	attagaggca	gaagaaggac	accatttttc	cccccgtttg	120
gtatatacca	ttcctctggg	tatgttgttt	attgatattc	tgctccgtg	tcaggcttaa	180
tacaaataaa	taaacaataa	acaatctcta	tttttttaaa	taaaggaagc	tttttaacca	240
ttt						243

<210> 837

<211> 427

<212> DNA

<213> Homo sapiens

<400> 837

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tcacagagcc	acgagggagt	tagcccagat	ttagaagggtg	aggatattga	cttcattctc	180
tgatgcaagg	agttgcagtt	acattgcaaa	gggatgcaga	tacaggggaag	gttggagaat	240
tgcagccact	tttgcacaat	ctaccacaac	tactgcattg	tagctgctat	gcacattaaa	300
taaagtaaa	acatatgaaa	catttatatt	aanggtcctg	acaacaaata	agtgttcaac	360
aagtgtgagc	tattattact	gtttctaaaa	tggatccctt	atcatgggag	aagggtcaaat	420
taatgcg						427

<210> 838

<211> 426

<212> DNA

<213> Homo sapiens

<400> 838

tttccttaca	atcctgttgg	gtaccagtct	ccagaaagcc	actatcaatc	agctaacgat	60
ggcattaaag	agtcaactat	aggatcttcc	agaacaagga	ctacacttca	ggaagatgac	120
cttcaacata	ggagggaaaa	atgtttcata	gtcaatctag	taagaagttc	tgcttcaaaa	180
gcaaaagaac	taccatttat	tagatgtttg	ccatgtgcca	ggcaatgtca	caaccctttt	240
atatctcatt	taagttcata	atcatcctgt	gacataagca	acactatgtc	ccccagttta	300
cagatgaaga	aactaaggct	caaaaaaac	attgtgaact	ttccaaaggg	cactgagcta	360
ggaagtagtg	acactcggat	tcaaaccctg	gatctggcct	actttaaagt	ccatgggtctc	420
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<210> 839

<211> 434

<212> DNA

<213> Homo sapiens

<400> 839

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cctcctcttc	ctggattgaa	gcgattctcc	tgctcagcc	tccaagtagc	tgggattaca	120

ggcgcccacc	accacgcaca	gctaattttt	tgatatTTTT	agtagagatg	ggtttcccg	180
gtttcaactgt	gttggccagg	ctgggtccaa	actcctgacc	tcaagtgate	cgcccgcctc	240
ggcctcccaa	agtgtctgga	ttacaggcgt	gagccaccaa	gcacggcccc	gcagcctcct	300
tcttgaaaga	gatgtccaca	ccccatctgg	ccentccttn	tccttctctc	attcctaaca	360
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tacctggctc	cggtg					434

<210> 840
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 840						
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ntaactgate	nagaactcat	ttatcaccaa	ggggatgggtg	ccaagccatt	catgagggat	120
ntgcgcctgt	gatccgaaca	ccttccacta	ggctccactt	ccaacactgg	gaatcacatt	180
tcaacatgag	agttggagtt	gacaaatgtc	caaaccatgt	ctccatccaa	ccatctatac	240
agatcttggg	ttcaagaagc	cttatgcctc	ttggctaaaa	agagtttgaa	aatcctgact	300
cggcccatgg	tgctaaggnc	atcanaaaaat	ggattctgca	gaagcagatg	ctgaaatact	360
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aactggatct	cac					433

<210> 841
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 841						
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ttctcagagc	ctgctcagtg	tacttggaag	tgctcttcaa	agcctgctaa	ctctcatcat	120
ttcagggttg	atctgatatt	tagaagcaac	tgaaaatcat	ttgaagccaa	tcccagtgaa	180
ttaggtcatg	taattcagct	gtaaaaatct	gcccctgggt	gcacctggca	taggagtggt	240
acagagggga	tcttgctgtg	tcacccaggc	tggagtgcag	tggtgcagtc	tcgggtcacg	300
acaacctctg	ccttccaagc	tcaagtgcct	ctcctgcgtc	atcctccac	aggtgcagtc	360
caccaggggt	tcacatggtt	gccanctg	gtctcgaaact	cctgcgtc	agtaatcctg	420
tactg						425

<210> 842
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 842						
agaactgagt	cccttnncna	ncnctcnnc	tannctctgc	ctttttgcct	tgtggangag	60
cccatgtagc	aaaggacagc	caatagccaa	cagaaagctg	atgccctcag	tccaacagcc	120
tgcaagaaac	tgaattctgc	cagcaaccat	gtgagattgg	aagcagattc	ttccgtgcag	180
tcttgtgaga	gattatgaag	caaaggactc	aagttgtgcc	cagattcctg	accacagat	240
accgtgtgat	aataaatgca	tattgtctta	aaccac			276

<210> 843
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 843						
gcgtctgggg	agctcctgca	tttaagncaa	ctgaggnttg	catcgncagc	ttctatatat	60
tacggccttt	ttttttgg					78

<210> 844
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 844
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cgggcntgng tttttaaaaca aangacggaa atctttcttt ccgnnntnaa aggacacntt 120
ganagatgca gtangaagat ggaatccatg aaccacgaag tgggtcttca gcagacacca 180
catctgncaa caccttgatc ttggacttcc taagcctcca taacagtgag aatnaacgt 240
gttttttaaa cc 252

<210> 845
<211> 425
<212> DNA
<213> Homo sapiens

<400> 845
ccatgtttgga actacatttg gaaaggnggt ngntnattaa acaangacgn aaatttttct 60
ttccnanctn aaaggacact ttgaaagggg ctnccttctg angccaaaag ntctgcccac 120
tctggaatgg agctgttacc tgnecatntn agcacanant cncggnaaca gaaaaccaag 180
cactgcatgt tcccacttat aagtganagc tgaacgagca gaacacatgg acatatgaag 240
gggaacaaca cactctgggg cctgtgaggt gcagggagag catcaagaag aacagctaata 300
gggtgctggg cttaatacct ggggtgatgg ttgatctgtg ccggcaaacc accatggcac 360
acatttacct atgtaacaaa ccttgacatt cctgcacatt gtacccccgga acttaaaaat 420
aaaag 425

<210> 846
<211> 261
<212> DNA
<213> Homo sapiens

<400> 846
gaagatgcca naggttgact cacttctctc ntctctctgt gcgngcanaa aggaaaggcc 60
gggtaagatg cangccatct gcnagccaga agacangcct caacacagac tgaaccctgc 120
tggattttga nctggaantt ccgccttcca gaactgtgag agaaaaattt ttgtgttggt 180
taagncaccc actentatat tnngttatgg cagcctgagc cgattaatat gtacaacatt 240
ctatataaaa tatgaaacat t 261

<210> 847
<211> 203
<212> DNA
<213> Homo sapiens

<400> 847
gctgcatact gattctttaa acatgaagaa catatggcat gaggatgaag agtggacaag 60
aggtaaaagt agctgaaata tataaaatgc taaaagtgtg acaaaaactga tttcaaccaa 120
gcacttgatc tcaaccaaac aaaaatgtat gcacaaaaga aatatgtcaa aataatacaa 180
tttatgctcg aaaaaaaaaa agg 203

<210> 848
<211> 124
<212> DNA
<213> Homo sapiens

<400> 848
ctaacggnac nggngcccag atgtgaggac aagagaaagg tggggtaagg gatagagacg 60
gggaagacaa tgagcaaacc taggggtttt tctggacatt caataaatgc ctatttgaga 120
tgct 124

<210> 849
<211> 315
<212> DNA
<213> Homo sapiens

<400> 849
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gagatcatcc	tggattatct	gggtgggtcc	taaattccaat	gacaagcatc	cttagaagag	120
ccatccccggg	gagagacaca	tggaggagaa	ggccacctgc	aggcagaggc	agagactgag	180
gtatgcagtc	acaagccaag	gagcgtctgg	agccagcaag	aggtggagat	gcaagcaagg	240
attcttctga	gagccttcag	aggaagcaca	gccccgcaa	caccttgatt	ttggatttct	300
agcctccaga	actgc					315

<210> 850
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 850						
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gggangntga	ctcaccaatg	aatgaagttt	ccacatcctg	atgatctcat	ccccttgcca	120
caatgaatcn	acagcccca	ttttccagcc	ccttgccctc	caaaatctcc	ttaaaaaccc	180
cagtccanaa	ctccccggag	gatatggatt	tgangatncc	tctcgnetct	ctacttggct	240
gccttgcaat	cattaaactc	tttctctgct	gc			272

<210> 851
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 851						
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atctgagtga	gctgcccga	ttgctgaatg	gacagaagaa	caaccctctg	aatgggtggaa	120
acagctgcct	ccgaggcacc	agccacacgg	tctggctttg	gtcaatcctg	cacgattccg	180
caaggcacgg	tgactcacgc	ctgtaatccc	aacactctgg	gaggccaagg	aggggtggact	240
gcttcagctc	aggagtttga	gaccagcctg	gcaatagggt	gaaaccccaa	ctctacaaaa	300
aataccaaat	acaaaaatat	atatat				326

<210> 852
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 852						
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ctcggcctcc	caaagtgtct	gaattacagg	cttgagccac	catgcccagc	caaccctata	120
gctttgcttg	ttcatcctgg	gaaggaaactg	tgcaagttgg	cgcttcgggc	ttggtataaa	180
aacggctcct	gaattcctgc	ccagttgtaa	tttccttggg	gattttgaga	ggggctcttc	240
aacgttgcca	ggctatcacg	gcccttttgt	ttgcaagaga	gcagtgagta	aattatatct	300
tgggcttagc	aaagcaaaaa	ataaacacga	tgacagttag			340

<210> 853
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 853						
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agtgaactat	gaacagccac	tgcatccag	cctaggtgac	agangctata	actgaagaag	120
tgggagaagg	aggaaaaaga	aggggaagag	aaaaacagca	agaacaaaat	gaacaagaac	180
aggaagaaag	aaagaaaaaa	ttaatttaat	atttttccct	tggaaaataa	aagctaaatt	240
ccaagaatat	atcatttgga	tcac				264

<210> 854
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 854

acaaagatat	ttctggcaag	acgtggagag	aaagagtc	ttcaatgaa	aaatgcaaga	60
ctgttctgac	tgtttttca	ggtaaacttc	ctgttggacc	tagttggctt	gttaagtga	120
ggacaaaacc	agaagggtgt	ctacatataa	ggctcactct	gaagtttcag	gctgctggac	180
tggttgcttc	attacatgta	ctttgttc				208

<210> 855
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 855						
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acagtagatg	attggctggg	aaagcagaag	cggtcgcctg	gaaattccct	tctcccatga	120
tttgcaaaat	tttgcttttg	tatatttttc	taagaaataa	tctatagctt	ttattatgta	180
ttccagggaa	ttgataaacc	cctcaacaag	ttaagaacca	t		221

<210> 856
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 856						
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cgagaactaa	attggctggc	accttattct	tggacttccc	agccttcaga	tctgtgagaa	120
ataaacatct	gttgttgaag	tc				142

<210> 857
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 857						
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tcttttgctg	actgcggaga	gatgcgctca	ttaccagctg	gcggtggagt	cgctgaaacg	120
caaattggatt	tgagactgag	cgactcccat	ctctatgggt	ggtatgtgac	ccatctatcc	180
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taaaagaacg	ccatcgacgc	tcccctgtct	ttcagcgctt	gcaggttccg	ggaggncage	360
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caataaagtg	gtttgaacc					440

<210> 858
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 858						
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aacctcgga	aacttacaat	catggcagaa	gatgaaggaa	aaccaagcac	ctcttaccat	120
ggcagaggag	gaaagaaaga	aagcgaagg	ggagctgcca	cacactttta	aaaccatcat	180
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ccaaccacnt	cccaccaagc	ccttttccca	acntgggggg	atnccaattc	gacntgaaat	300
tngggggggg	ncccanngcc	aaccnttttc	ncantccatn	gngggngata	gntgntncag	360
tanctgtagt	aaacttgcaa	natattaact	gtcattgnct	tgncnaaagg	gggctcattc	420
caaannatta	ttttgcncca	tnggggggacc	cacacagcca			460

<210> 859
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 859

agatngagct	gaggcttgea	ggmnangctg	gtgaggaact	cctcctgggc	tcaagagatc	60
cagctgcctc	gacctcccaa	agtgtctggga	ctacagacat	gcaccaccac	acctggcctt	120
ttatcctctt	tttagcaaat	gcatttaggg	tttgatttta	cctgtaagaa	caggtttacc	180
tgaatttcgc	atagtttgat	agggcaatcc	ttgcattgtt	ctcagttctt	aaaaattcaa	240
aatttccatt	ttgaaangtt	ccctccttat	ttttggattt	taagcatctt	taaaaatctt	300
tacacaggca	aaaaaaaaaa	gggccggnnn	ggccaattna	nnttggactt	aaccaggggt	360
gaattttttt	taaaa					375

<210> 860
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 860						
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gggctgttcc	cctcttttggg	gaacctgtag	ggagtgtctga	ggcggcatgg	ttctgagtca	120
caggggacct	gaggacacag	ggatggggca	tgttgttcca	gaactccctc	cagcagctgc	180
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caacgtcttg	acttcctggg	gaatttntng	ggcatntttt	tcenttncaa	gtacccccct	420
tcctgccttc	aatgtccaca	agtgggtgca	gtgaatggac	acttgtccaa	acaa	474

<210> 861
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 861						
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cgcccgcctc	cagggttcaa	gtgattctcc	tgcctcagcc	tcccaaatag	ctgggactac	120
aggcagcac	taccttgtcc	agctaatctt	tgtattttta	gtagagacgg	ggtttcacca	180
tgttggtcag	gctgggtcttg	aattccccgac	ctcgtgatcc	agatgcctcg	gctccccaag	240
gtgctgggat	tacaggcggtg	agccactgtg	cccggactga	aactgacttt	gaacttctgt	300
cttcagaatt	gtatgcgaat	aaatgtgtgt	tcttttaagc	c		341

<210> 862
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 862						
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gtgangcacc	agtggggaat	gacagtcaag	aagaaaccnc	ggganaatnc	naccccttgg	120
nccancagca	ccacccccctt	gctttccgga	actcagaagt	ggtggagaaa	aaaaataaac	180
ctcctttttt	gtttatt					197

<210> 863
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 863						
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aagttccacc	gcttgtggaa	ccgccatgca	agttcgtgta	ctggatccct	tgggggaacc	120
aaacgaagtt	cacaagcttg	aacaagtgtg	ttcggcgaat	ggctttgaac	tggggcttgg	180
gtgetccatc	attgtcctgc	tgggccaaca	accgtcgctt	tgaccttgtt	cgactttntg	240
ttaccacctt	gcttnaaaat	gccaaaagcc	aggaaccggg	aanggatgga	aatcatttaa	300
aaaatgggnc	ccctgaaaaa	aaaaggccga	ccggg			335

<210> 864
 <211> 451

09428674-10279

<212> DNA
<213> Homo sapiens

<400> 864
gcaaatgcgt aatggatgtc aaaatccaga aataaggcag caagtattgc acagaatgtc 60
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ggctggagca gccaaatggg ccaacccctg gagtgccctt tttcttctgt gttaaaaagt 180
tgcatttcat gcagacccag cctattcccc caacccctca atcttctccc tccctcctac 240
ccacaagcac acatacaaca gaagggacgc ctctacacce tcaccagctg cctacactca 300
ttcacctgcc gctggctggg ttcggcactt gttttccaaa ccagtcaaag aactcacagc 360
cccaggactt aaaaaggtn ttattgggtc catanaggct taaatttggg ggctcctaaa 420
gggatcacca tgggataaat aaaaatatac a 451

<210> 865
<211> 479
<212> DNA
<213> Homo sapiens

<400> 865
actgaggggc attcagataa gccatcatat cccctgtgac ctgcacgtac acatccagat 60
ggccgggttc tgccttaact gatgacattt caccacaaaa gaagtgaaaa tggcctgttc 120
ctgccttaac tgatgacatg gtcttgtgaa attccttctc ctggctcatc ctggctcaaa 180
agctccccta ctgagcacc cgtgaccccc actctgcccg ccagagaaca accccccttt 240
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tgctgactct cttttcggac tcagcccacc tgcatncagg tgaaataaac agctttattt 360
gctnctaaan cttgtntnng nnacanttnn natncnctn tgntnttttt gnnacnaata 420
ttgatngaatt tnanannan nggggggggg cggggggggn ntntnttttt tttttttat 479

<210> 866
<211> 160
<212> DNA
<213> Homo sapiens

<400> 866
ggcatgtggc attctagacg taacaagcat tatgatttgt ttgaaagaac tgntaaacag 60
tgtccagaat taagcacatt tcctccattt tctcaaaaaga gtttctctgga gaagtcagaa 120
gaaataatac aatttctctat taaatgcaac atataaccac 160

<210> 867
<211> 447
<212> DNA
<213> Homo sapiens

<400> 867
gtgcacacaa tgaaggaagg ccatggccca cananagaan atgntnaggc caggcntggg 60
ggctcacacc tgtaatccca gcactttggg atgccgaggc agctggatca cttgtggtca 120
agagttcaag accanatttg gcgacatgat gaaaccccgct ctctactaca aatacgaaaa 180
ttaagccatt gtggtggcac acgcctgtna tcccagctac tcaangaggc tgatgtggga 240
gaactgaacc ctggaggtgg agattgcagt gagccaagat ggcgctactg tgctccagcc 300
tgggcaacaa agcaacacta tgttttaaat aaataaataa agtgcttgga atttcaaaaa 360
atacaatgcc tannttaaaa taccatatat tatatatcca tatggctata atgattcccc 420
acctgtttat ctgtcctaac gcaaattg 447

<210> 868
<211> 335
<212> DNA
<213> Homo sapiens

<400> 868
ttataagttc cttgnnngga caaaagtggg ttaacacttc tgtctatcta aagatgtcta 60
cttcaaattc tgggcacaag agtgattgac agcaatttga ttgattagag aggtttcttt 120
aagaagagct ttactctga ataaaatatt cctgtgagga agatgctgac tggccatcca 180

ggtctgcaga	agacaagacc	agaggaaatg	gattttgaac	atgttcccag	agatctttta	240
aaaaattacc	tgcaaaggag	tttaancccc	ggantancng	aacaaagaaa	gctgagggtc	300
tctcctgaag	tgaatgtttt	aaaaatagac	agtct			335

<210> 869
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 869						
gaaaggcaaa	gggaacctcc	aggatgatgc	tgaagacaga	gcccactatg	acagctgtgc	60
aactatccca	gagcgcagac	atggggcaga	gtgaaaagat	aacacagaac	tggaagcag	120
gcaggaaaaca	gcagaagaga	agaaagttga	gatgaagaaa	aaaatatgaa	cgaaggcaat	180
gaagtaagg	gaagatggag	acaactttta	gggcttttac	tataggttca	ctgtttctaa	240
tataaccatc	agaatcttct	gtcacaaaag	gttacatgtt	gatggaaaga	atacaggaaa	300
ataaatgaga	tctaatttac					320

<210> 870
 <211> 795
 <212> DNA
 <213> Homo sapiens

<400> 870						
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catgcatggc	gccctaccct	caatgggaac	gagggccgtc	gtcgacnaga	acttcagtgc	120
actctaagaa	gctcggccca	aggacctatt	cgcatgggac	taggcagcta	ggacacatat	180
ggaattaaat	ccaacgacgg	acaccttagt	gagtacacgt	ctaggtgtcc	aagggcaaaa	240
aacgatggcc	acgtacatgc	acgaacacga	aaacatgtta	tagtaggtaa	tcgtatatgt	300
acaaccacaa	acactcacta	gtatatccgt	agacgagncg	aaantggnaa	aagttcaacg	360
agtgcgcata	gcaatggcgc	agcaccaaga	gcataatatt	taagagtgnc	ctttgtctca	420
ccataattaa	ngggttgtnc	aangttggnt	ttttccntaa	antaatnaaa	anaccaattn	480
cngggaanat	tncttttccn	tggncncacc	aataaaaaang	gggcatnacc	ccttgggtnt	540
ggcatttggg	tagaaangga	aaatgacccc	gcggaaacat	attttaataa	ttggaaagga	600
ancctctttg	tttgtgnncc	ctnaaaaaaa	catttttnga	tttttttttt	ttntggggcc	660
cggcgcggtg	ggnggggnca	aaattngnna	ttttcccnng	gggttttttt	taacnccccc	720
gggggttttc	gaaacntttt	tgggggtccc	aaaaaaaang	gggggggggc	cccccccccc	780
cccccccttt	tttgg					795

<210> 871
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 871						
gctcatgaat	ctctgtgatg	ctcangagct	caancgttct	gttgntggca	ncctttctctc	60
ncctgggtgcc	acgttaaagc	ggatttggan	tttatctggc	ttgctgattg	cntaccatct	120
ccccaaaggag	ttcaaattcc	cacagtntac	caacacaaact	gatgctggaa	gctaaacttg	180
ctacaganaa	ctgagagaac	caaacaattt	tcctttacct	gttctcacga	tacttgaaan	240
taaatgtcta	catggaagga	aagc				264

<210> 872
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 872						
caactcagag	gagttaatgc	ccatgaggaa	agcagctttg	tcagcatctg	gtcatcagaa	60
atagaagaaa	aggaaggaga	gaggaaaaca	ctgttaagat	tcattccatt	atagccaaac	120
taactncccc	aaagnncaaa	agaannnggg	gttacctnna	cggaacnaaa	naaantggng	180
ntttcaaana	aatgccngaa	tcctaaaagt	ttaaaggaaa	ttatttcttc	gaaatacaag	240
tcaaagccac	attgaaatct	cactccttca	gtttgntggc	nttaaggaaa	aagaaaatat	300
natgccccctc	nccgccccnt	tnatggncnt	tattcaaccg	gcgcacatta	ccaggngttg	360

acaaggatgg	ggaaaaatgn	gaaccctcat	gcnttggggg	gtgggaatgc	aaaatgggng	420
tgtntttgcc	ggganaacag	tttgacagtt	actctgaagt	taatcataga	gtactatgga	480
accaccatt	tcacttttag	gtcccnccca	anataatgaa	aacatttggt	cncccaaaaa	540
ttggnncnaa	tgttttctagc	accttt				566

<210> 873
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 873						
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tatccagatt	tttcttccaa	ctttactttt				90

<210> 874
 <211> 550
 <212> DNA
 <213> Homo sapiens

<400> 874						
aggatcctct	attaaatgtg	tgggtccatga	accagcagct	tcagcatgac	ctgagagctc	60
ataacctcgt	ctctacaaaa	aatacaaaaa	aagttagcca	ggcatgggtg	tacacgccta	120
tgggtctcagc	aacttgggag	gctgagatgt	gcttgctttc	ctttcacctt	ccaccatgat	180
tgtaagtttc	ctgaggcctc	cccagccatg	cttcctgtat	agcctgtggt	acggccaagt	240
ctcgccacat	ggcatcattt	cctcctcacc	tgcagaatcg	ctgtgactta	tggctcctct	300
gattgcacct	gctttnacca	acanccttng	aaaaaaantc	ttttttgtgg	ggataaaaaag	360
tnagananan	ctnggttnca	tnacttggtt	aaaatnggac	cctctcaaat	gaatgtaagc	420
acataatggg	gggactacac	tatgagatta	aaaggaatcc	agctgttacc	aaaaatgggt	480
gcttgccagg	tttatccacc	aaattctttc	cacttcatgt	cattaaaaat	aaaatttgag	540
ttttaaagt						550

<210> 875
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 875						
tggcaaaaat	tcctttaaag	aaaaggcccc	gggaagnnga	agccttggtg	aagccccctg	60
ggaatgggtg	gcttggcatt	ggcccaaacc	aatggaaggg	aaaaattccc	gggaccacca	120
ccaaagagga	aggaacattc	caaggggggg	ccaccaaagg	ttgccgcca	agaatggaaa	180
ccaaaggcca	ccattggaaa	gaaaaggggc	caggcaaagg	aaggggggaa	agccccattc	240
ttgncaaagc	cccaagaaag	aaggaaggaa	aagggttca	agaaaagaaa	aggtttaaag	300
gttcttggcc	cagccantct	ttgaaccctt	tnggancttt	cccaagnctt	tttcaagaac	360
cttggtgnag	aaaaaataaa	anttttcttg	gcttggtttt			400

<210> 876
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 876						
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tactgaggac	ccctggacca	acccactggc	cctttgactg	gcctagagaa	ttcacctcca	120
gaggacacta	caactgcagg	gccccttctt	cgcccctatc	cagcaagaag	taactagagc	180
ggtcacaccc	caattcccaa	cagcagctgg	ggtgtcctgt	ttagacgggg	gtggggggag	240
attgngaggt	gaagccagct	ggacttctctg	ggttgactgc	agacttggag	aacttttctg	300
tcttaccaaa	ggattgnnaa	atggcccatn	cncctttttg	taaaaacca	ccaatcanng	360
ctttgtanct	agcaagaana	ttntaaaatg	ccccaccag	cncntgttaa	aatgcnccaa	420
tcagcgctnt	ttaaaatgcn	ccaatcanng	ttttgtaaaa	tgcnccaatt	ancanggatc	480
ctaaaagtgg	ccattcncag	ggagaactga	aaaaaggccc	tcggttagga	aagaaacana	540
cgggggggag	gggccaataa	ggggataaaa	gctggcct			578

09428674-102799

<210> 877
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 877
 gaggaagagg canagnacga cggctcaatn aaaccncca ctnntngtnn ngganagnn 60
 nacttntctt tggctctnann gcnccttcang cttgaaccac catgaangcn gaaattccat 120
 ccanttacc tggaggtggg aaaccgacaa cctgcatggc attttttgaa gctagacatg 180
 taaacatcat ttaaaagttc tgttttcttg gctcacgcct gtgaccccag cactttggga 240
 ggtcaaggca ggcagatcat gaggtcagga gattgagacc atcctggcta gcacggngaa 300
 accctgtctc tgctgaaaat tcaaaaaatt aaccgggtgt ggtngtgggc ccctgtaaaa 360
 aaacttctcg ggaaggctga ggcaggaaaa tggcgtggaa ccttggga 408

<210> 878
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 878
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 tgaacttctc agcctccaga acggtgtcaa tggacgtgga cgtgtccccg gattaagcat 120
 gaccttgccc ctctgggtg gacgtggagg cttcagaaaag attcattaaa ctactttcca 180
 aagctt 186

<210> 879
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 879
 agaaacaagc atcaaccctt tcaccacggc acatctgcct ctgacttcta agcgctagac 60
 caacctatgg atcctgtcat ccacctccac atcctgcatg ggaatccaag aaccttcat 120
 catctacctc agtctccagt gggccagcaa aaccaccaag ctctttctat tgccacagct 180
 ttgtcatgtg cttttctact cattctgtct ttagataatc acgtgatgta ataacatcac 240
 tgctatgtct actaaaaaga aatctgagaa actg 274

<210> 880
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 880
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 tgtcccagag gtcacagtgc tgtggggagg gggacaagga cataccctgt caggctgcgt 120
 atataaatac acaggtgcta agcaaaatgg gaacggagaa gggaaagggt ccctccacct 180
 tgagagaccc acagaagggt gttctagaga tggatgagtc agactgcaag agagcaaaga 240
 tatcttctcg aatacattca atatcaaagc atcatgtgcc ctgtgtgtgc aaaataataa 300
 taatcataat aataaagtt 319

<210> 881
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 881
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 atctgtaaga tttcttccca agcacaacat cagatccaat gactgtcaac tgagtgtgtg 120
 ccaatgactt atttgaagg tggaaacaaac cacataatca ccagattccc cacattcaga 180
 taagcctcaa tgaagaccgt ataacacccc ctgaagaaca gctgccatct ctgcaggatt 240
 ctgtgagaag aggggaagtga tccggacctc ttggctgggg ccacactggg tttatctgta 300
 tctgtcctcg aatcttcagc ctgctacaat ctgttcacac ctgggtatct acagtcttga 360

catcctacca cttgctgccc aaggtctctta acttgagctg gaaagtaaatt aaattgngct 420
ttcattttcc cct 433

<210> 882
<211> 454
<212> DNA
<213> Homo sapiens

<400> 882
gatcgaggcc atcaagctac agatgggtctt acaaatggca ccccaaata gctcaactca 60
caacttctac tgaggacccc tggaccaacc cactggccct ttgactggcc tagagaattc 120
acctccagag gacactacaa ctgcagggcc ccttcttcgc ccctatncag caagaagtaa 180
ctatgagcgg tcatcaccca attcccaaca gcagctgggg tgctctgttt agacgggggt 240
aggggggagat tgagaggtga agccagctgg acttcctggg ttgactgcag acttgagaaa 300
cttttctgtc ttaccagagg attgttnaat gcaccaatca nactctgtt taaanacacc 360
antcagtgtc tcttgtagnt ngcaagaaga tttntaaaat gcaccacca gcacttttgt 420
aaaatgcacc aatcaggcgc tttataaaaa tgcc 454

<210> 883
<211> 175
<212> DNA
<213> Homo sapiens

<400> 883
atgagaagca gggattccca gcaaaggaga accatgagtc acagggagaa gtctggccgg 60
aagctgctga cacacattct cacaggacta tggcaacttc cggaagctgc ctgtatgcct 120
tgtcttgtag ccccttcctc cctcttcagt gccagcaaca ttgcatttac ctgac 175

<210> 884
<211> 377
<212> DNA
<213> Homo sapiens

<400> 884
gaaaagcctt gaaaattttt ggagtacata tagtaagaat gcacttcact gcagcaaaaa 60
tggagtttca ctcttggtgc ccaggctaga gtacaatgga gtgatctcag atcaccacaa 120
cctctgcctc ccaggttcaa gctattctcc tacctcagcc tcccaagtag ctgggattac 180
aggcatgtgc caccacaccc agctaatttt ctattttttg tagagacggg gtttctccat 240
gttggtcagg ctgggtctga actccagacc tcaggtgatc caccgcctc ggcctccaa 300
agtgtggga ttacaggtgt aagccaccgc acctggctta aaagtaaatt ttaaaaataa 360
acagtttata aattaag 377

<210> 885
<211> 260
<212> DNA
<213> Homo sapiens

<400> 885
tagatgcaat ccatggaaca ctccacgtgg acttggtgtt ttctccgcat tcatggacaa 60
ttaattttcca gctataatcc agtttcccac caaacactga gttgcctccc aacgctgtcg 120
accacttgct ggaacaattg tcccccttt gcattggaaa gcaagatata atgacacttt 180
gttctgatgt gcaaaacatg cctgggtttg agaccctggc catttccatt gtcagtcttt 240
aattaaatca gtggttttct 260

<210> 886
<211> 435
<212> DNA
<213> Homo sapiens

<400> 886
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tcacatgaac gaatggcata ttccactcca tgtgagaaag gctgtgatgc catcatggaa 120

aagatctagc	tttgaagac	agaaagaagg	aacatcagcc	ttaacacttg	ggagtaatgt	180
gacctggggt	tgccgagtgc	cttactgaac	aatagctctg	actggctgaa	ttcatcaacc	240
caagtttgtg	tatttagata	tcatctatgt	atctccgaat	ctgctcctca	acacacagct	300
agctgtcata	atacataatc	aactagtatt	tctcaacaag	caaattagta	gactgtcaaa	360
gggattgctt	aaccatattg	ttctctcatt	actacataat	cccagaaaat	aaaagtaaca	420
tttgtttaga	atgac					435

<210> 887
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 887						
gggcattcag	ataagccatc	atatcccctg	tgacctgcac	gtacacatcc	agatggccgg	60
ttcctgcctt	aactgatgac	atttcaccac	aaaagaagtg	aaaatggcct	gttcctgcct	120
taactgatga	catgggtctt	tgaaattcct	tctcctggct	catcctggct	caaaagctcc	180
cctactgagc	accctgtgac	ccccactctg	cccgccagag	aacaaccccc	ctttgactgt	240
aattttcctt	tacctaccg	aatcctataa	aacggcccca	cccctatctc	cctttgctga	300
ctctcttttc	ggactcagcc	cacctgcac	caggtgaaat	aaacagcttt	attgctcana	360
aaaaaaaaggc	cagngaggcc	aattcagctt	ggacttaacc	aggctgaact	tgctcaaaag	420
gnngggcccc	cccccc					437

<210> 888
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 888						
atggagtctc	gctctgtcgc	ccaggctgga	atgcagtggg	gcatctctcc	gttcatgcc	60
ttctcctg	tcagcctccc	gagtacctgg	gattacaggc	gcccaccacc	atgcccggct	120
aattttttgt	atttttttag	tagagacggg	gtttcaccgt	gttagccagg	atgggtctcaa	180
tctcctgacc	ttgtgatccg	cccgcctggg	cctcccaaag	tgctgggatt	acagacgtga	240
gccaccgcgc	ccggcccca	cattcttttt	tgcttgggat	aaaccctctt	caggctgtta	300
atcaatatag	ataaaaagtat	actgttct				328

<210> 889
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 889						
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aaacttgctg	cactaggccc	agtgggggtgt	gctccatcag	acagaatgtg	tgtgtcacga	120
gcctttctaag	aatcaggagg	agggaaagtca	ttcataaagg	aggcagatgc	tgaaatgcaa	180
ctttggcttc	ctcttccaag	tccttcaact	ataggaatgt	ggccctttct	tattcacaga	240
ggggctggat	ttctctttac	aacctgagta	ccagaagctc	cctacctttc	caagtcagaa	300
cagaacagga	aagtggctaa	ttcgaccttt	gcattctcca	cactggggga	gatcacaggc	360
caggctgcac	acctctcaaa	acccaacctc	angacagacg	tctacagggg	atgctaagac	420
tttcgaaagc	aggagaaaga	tatgtccaga				450

<210> 890
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 890						
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agaagaggcc	ccagagtcta	ccttgcaggc	accatgatct	tggatcttcc	agtcttcaga	120
actgtgagat	gtacattttc	gttgttttaag	cattcagctc	ttgggtatgt	tttatggcag	180
cctcggcaga	ataagacact	nattcatcta	ngtataccat	atacagttga	cccttaaaca	240
gcatg						245

<210> 891
<211> 440
<212> DNA
<213> Homo sapiens

<400> 891
agcttttgtt tcagctcacc ttatgaagct gtttcccaag aggatgaccc ggggtgcctgc 60
ctgggctaagt aacaagcaaa catttcggag cctaagtttg ggaaagagcc tgaaggcccc 120
tacaccctga agcaacattc caagccttgc tgctcacaat gcgggtcccgg gaccagcggc 180
agcagcagca gcccaggacg cttgttagaa atgcgggcacc tccggcccca cttcagacgt 240
tctgaaccca aatctgcatt ttatcacgat cccaggtgat tcatgtgccc gtttagagtga 300
gcgaagccct ggattagaga acagaaatta gacgtgaccc tttctttgac aggaatttat 360
caccaggtc tatctcaaga actgngagaa ttcggntcaa natgtttgtg ataacttttg 420
agcagtactg actagcgtgg 440

<210> 892
<211> 334
<212> DNA
<213> Homo sapiens

<400> 892
caaaaannnca actgcagatg acagccctat cgctcctncc actaccancc cattgnatgt 60
acctggnttc cccatccaag ccaaagagcc ctcttctgtg cctggactaa gaaacagaat 120
gaaaaaacca cacagaaaaa cataagctgg ggaccaaagg cagtcaaccg tttctgcata 180
tgcttcaaaa tgtgactcaa tctagagggt tccagtttca cctgagctgt taaatttaca 240
ggaagatctt caatgatctt cggaaaaagac agaagagcaa gaaaatctga aaaggatatt 300
aataaaaatt aagctcaaag gggaaaaaat agtt 334

<210> 893
<211> 352
<212> DNA
<213> Homo sapiens

<400> 893
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aggcgcgcca ccacaccagg ctaatttttg tagttttcgt agagaggggt gtcaccatat 180
tgccagaggc ggtctcgaac tcctgatgtc gtgatctgcc cgctcggcc tcccaaagtg 240
ctgggattac aggtgcagcc accgtgtctg gctgtcccat tgtaatctta cgggaccacc 300
atgtatatgc aatccttggg tgactgaaat ggncttaang gggggattga at 352

<210> 894
<211> 525
<212> DNA
<213> Homo sapiens

<400> 894
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aaagcaccat attcaagcac tggatgctgc ttggacatat caattgaggt ccagagaaaa 180
tcagtatggg gagaagaagg acttggaaac acacaaacat gggtcggaac cctgcttgcc 240
cttcccagct gggtaaaact cagggtctca ctctgttgcc caggctggag tacagtgggtg 300
caatcatggg tcaactgcagc ttcaactcct gggatcaagc aatcttctctg cctcaacctc 360
cccaatagct gggactcctg aatagacaag ggtcccacta tggtgnccaa gctgntctcg 420
aaattttggc tcaanaaatc ctcccttgctt ggnctcccaa agngctgggg taacaggcgt 480
gagcncctt gnccaacctt ttatagtctt attcttacat aaata 525

<210> 895
<211> 366
<212> DNA
<213> Homo sapiens

<400> 895
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 gacaagggga cagtcagaac ctgcatactt tgaatgcaat accagggcac tagtgccaag 180
 agttacaaaa gaagaagagc cttttaactt tggcgggagt gcagaaggga ggaccaaata 240
 tgtaatttga acacattatt gagtaagatc atataatgga aaaggaggaa actgggtttaa 300
 agagatgaaa taaaggtaga ggtaatttag aactaccaac ataaatatat gcccttttaa 360
 aagaag 366

<210> 896
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 896
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 aaggcgggat gctgaaacct ctgccccac cccctacatt agctttatat ccaaagtga 180
 ctcgaggct ggtgagctca aggtgatcaa tgacagctcc aatcaaagcc acccagtaga 240
 cagtgactc accactcctt gatataaaag gtgttttatt tctcatcctt ttatttttgt 300
 cactgaaaga atgcttccca tgtgtggatt aattaaagt taaacattaa atattgattg 360
 atgcattatc agcatgg 377

<210> 897
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 897
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 ctccctcaga taaaagaaag gcacatcaca gttgtcacat cagcaggcta gaaaagccat 180
 cccattcctg cggcaggcat tctgtcaaag aaaaagaaat ctgcaatgaa ttatcacatg 240
 aagtcaaaca aggaaaggag gcaaaaagca agcagagccc tcttctgtt ttgtagactc 300
 tgctggctac aatctaataa aatgcttaat ctgaatattt ctggtggcaa aactatagca 360
 accattctgt ctattaaaaa gtcagtgtgg tt 392

<210> 898
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 898
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 tcacaggaac agaaaaccaa ataccgcatg ttctcactta taactgggag ctaaatacatg 180
 agagcacaag gacaccaga gaacaacata cactggggcc ttctggagcg gggagagcat 240
 caggaaaaat aactaatgta ctaggctaaa cacctggatg atgaaataat ctgtacaacg 300
 aatccctagg atgcaagttt acctatgtaa caaacctgca catggacccc tgacttaaaa 360
 gttaaaaaaa atgagtgtt aaaaacatta aaaaatg 397

<210> 899
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 899
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 tgcttctttt aacatacaaa tataaacaaa cgtacaattt aggtaggggc ctcccacaaa 180
 ataatacct gatcagaatt atataattaag ttatgcttaa tatattatta tacattaat 240
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gctgaacttg 310

<210> 900
<211> 315
<212> DNA
<213> Homo sapiens

<400> 900
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aaaaaacctg cactgtagtg ataaaaattaa gtccaacctt aaaaagagtt tcaaaattta 120
agaatgagga ggaagagggg cacctcacgt aacaggaagc agctacgaca gcaaagagga 180
acagatactg ccaaataagg gttcatactc ataccccccac aaaggaaatc tcttaattgg 240
agacatcatg agatctgggc catttttccca tctcattgaa aaatcaatgt ttaaataaac 300
acacttttta tctag 315

<210> 901
<211> 343
<212> DNA
<213> Homo sapiens

<400> 901
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ccaacatggg gaaaccccggt cttcactaaa aatacaaaaa ttagcctggc atggtggcgc 120
gcacctgtaa tcccattctac tcaggcgggt gaggcagaag aatcgcttga acccgggagg 180
cggaggttgc agcgagccaa gatcacacca ctgcactcca gcctggggcga cagagcaaga 240
ctccgtctca aaaaagaaaa aaaaagaatt ttttctaaaa cttccaataa aaacttaggt 300
cccattaaat ggtaaattctg gtcctcaaaaa aaaaaggggc cag 343

<210> 902
<211> 183
<212> DNA
<213> Homo sapiens

<400> 902
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gcctttgaac tcttgggctc aagcaacctt cccgtctcag cctcccaagt agctgggact 120
acaggcgtgc gctaccatgt gtaatttcca tttttaaaaa gcacattaaa atcagagagt 180
ttt 183

<210> 903
<211> 517
<212> DNA
<213> Homo sapiens

<400> 903
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gccaactaca aagaatcatg ggatcataaa ccctcagaag tggaggtatc acggaaatga 120
gcttaatggt ttatgctttc ctgtcgcctt aaactgccaa gaaggctggt gcacctcaga 180
ggaaagaata ctcacaggaa ttagttttccg gtccctgaaa ccagtcatt tcaacatgac 240
agctgtttga aatcccatgt aaccagaggg tttctgagac aggaagcaac agtggcacac 300
ctagctgagc acggggggaga gtaagaagca gagaggaaac aagctgaatg agaactggc 360
ttggaggcag caaggaaagt ataaaaacaa tgaaccaggc caggcgcggg ggctcacgcc 420
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accagcctgg ccaacatggt gaaaccccat ctctact 517

<210> 904
<211> 198
<212> DNA
<213> Homo sapiens

<400> 904
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cctgatgggtg	agcagggcca	gaaccaccac	ctgnctgtcn	caacactaac	tcttcatttg	120
attcctcttg	aagtttggcc	cgagtgtgaa	aaatgactct	tcttttaagg	actcgtata	180
aagcagaggt	gacacaga					198

<210> 905
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 905						
gtgttttctt	atagcagtgt	gaaaatggac	taatacacca	gaaagaaaaa	taaatgcaag	60
ggaattttct	gggttaaaga	aaaataaagg	aaagtgacaa	ataaatgtaa	tctaagatct	120
tc						122

<210> 906
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 906						
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ccacagttaa	gactgtggca	tgtgcattcc	agacagcaag	actgagaaaag	gatcctgaag	120
aagagagaca	agggctgtct	cttaggggaag	gctccacata	aaactaagct	gccacatgaa	180
acttacgctt	actctgcaat	agccagaact	cagtcctcatg	gccatgaaaag	atacaaggac	240
gcctctgttc	ttggaagtca	tgttctgggc	aaaactggag	gattctatca	cattagaaga	300
atgagaaaac	agacacctgg	ggaaaactac	attttctatc	atgggaacag	cactctattc	360
aagtgaactc	acaattataa	atgaagctac	tataattctg	aacaatgtac	cacggctaaa	420
agtgttcat	tcactttact	tactcaataa	atttaa			456

<210> 907
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 907						
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acctctgctt	cccaggttca	aggaattctc	ctgcctcagc	ctcccagagta	gctgggatta	120
caggcgcttg	ccaccacgcc	tggctaattt	ttgtatttta	agtagagatg	gggtttcacc	180
atgttggcca	ggctgggtct	gaactcctga	cctcaggtga	tccactcacc	tcggtctccc	240
aaagtgtctg	gattacaggt	gtgagccacc	gtgtgctggc	tcagggaatt	gaacagcttg	300
gacttggaga	cagtgtgcta	aaacagaaat	aagaaggcng	ccgaaaaaaa	actccccaat	360
ggaatggggg	nggatatttc	atatncccc	caccacctca	aaaatggtgg	nccttgggag	420
ggatnggaan	acaagaaaat	tgggaggnga	tgcattcttc	aagccttagg	aaaca	475

<210> 908
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 908						
cagctccagg	gggtcctccc	atgacaggaa	ttcctgatga	gaagaaaagg	tgcagctctc	60
tctgacaagc	tggctcctct	cctcagaaaa	aagaaagaaa	caaggagaag	aggatgacat	120
tgaatgtatc	agagaactaa	gaaacttctg	ccagcctgag	caacttctcc	agccagggcg	180
acagagcaag	accatgtctc	aaaaaaacaa	acaaatgaaa	aaagaaaatt	ctggatgagg	240
aggatgctag	ctctacattc	cacttcacaa	ccaggcccta	catcagccta	tatttgaata	300
ccatggcaat	tcactacccc	acgatctgtg	aggaaatttt	tccttacact	aaacagattg	360
ggccagttnc	acactttggg	actgncagaa	aaagcctata	tatctaatat	aatttattat	420
aaatag						426

<210> 909
 <211> 448
 <212> DNA

<213> Homo sapiens

<400> 909

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agttttggga	acatgtgcta	atggccatca	aacaattctg	aaataactga	aagagaacct	120
ttgaaacacc	cttttagatta	agagcctggc	ttgtaatctg	taacaacaaa	cggattattaca	180
atgagaaaaa	taaatgtcct	gtcaaggcat	tccttcaatg	acatcttgct	acacaagtct	240
atatccaagg	ctgcccacaa	agtggaaaaa	tggggaaaaat	tccctgcagt	acagggccaa	300
aaactgaagt	ggatgtcact	gtcttctgtc	ctaagaaaaa	agaggataaa	ctgtantccc	360
aaccncttcc	gaagcttgag	gcaggagaat	ggcatgaacc	cgggaggcgg	agcttgtaat	420
gagtcgagat	ggcgccctgc	actcccaa				448

<210> 910

<211> 496

<212> DNA

<213> Homo sapiens

<400> 910

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acggggggctc	acgcctgtaa	tcccagcacg	ttgggaggcc	gaggcagggtg	gattgcctga	120
ggctctggagt	tcaagaccag	cctggccaac	atggtaaaac	cccattctcta	ctaaaaatac	180
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aggagaatcg	cttgagccct	tgaggcagag	gttgcaatga	gccgagatca	cgctactgca	300
ctccagcctg	ggcaagaaga	atgagactcc	gtctcaaaaa	aaaagaaaga	aagaaagaaa	360
gaaaaaaaaa	tengctccag	gcagacttct	ttttntgnnt	ctgcctttaa	aaaaatctcc	420
ttggcacagc	ttcacntgat	tggatgggag	aggaaatttg	aggctgggag	acctcctana	480
ccacagctgt	aatctt					496

<210> 911

<211> 309

<212> DNA

<213> Homo sapiens

<400> 911

aaggcacagt	cttcttctga	gatttgagga	gcagagggca	agtgggcagc	gtgacaatgg	60
taggaaaagg	cttgccccag	agtgaagaag	agaagaaaat	tgactggtaa	aatgaactac	120
aaatgtgaag	aaagtgtaaa	ggacccaatt	gagaaatgag	gtctatgttg	cccaggctgc	180
ttgtgaactc	ctggcctcaa	gcgatcctcc	tgcttcaaac	tcccaaagtg	ctggaattac	240
aggtatgagc	catcatattt	ggctaatttt	acctcctttt	taaataaagc	tgactactac	300
tacaaaaat						309

<210> 912

<211> 188

<212> DNA

<213> Homo sapiens

<400> 912

agactggatc	tcactacttg	cctagctctt	gaactcctgg	cctcaagcaa	tcctcctgcc	60
tcaacctccc	aaagtgtctg	gattacagga	gtgagccact	atgccccaca	tggtattatt	120
attattgtta	ttaatactac	attgtgcttc	ataaataatt	gctaaatata	caagaatatg	180
tttgtttc						188

<210> 913

<211> 659

<212> DNA

<213> Homo sapiens

<400> 913

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accctaaagg	aggagccagg	gcaccagccg	gatggaggaa	aatctcctgg	cccaagaaag	120
tgacagggga	aagactcctt	cttccttgc	tcacacaggc	tcccaaacad	cacttcccag	180
nggaaaacaa	agtgcccatc	tccccacaaa	ggacttgtga	agctcttgga	agcaccaagc	240

aagaagactt	tgtcaagttt	cttggttcctt	gggattgttc	acccaagcca	cattggggcc	300
aagccaaaaa	tccttgaaga	agcttgggct	tgcaaagtca	agaactcttt	ctttaccttg	360
aaccccaagg	gaagttggaa	cccggggggc	caccaagaag	ccttgatttc	ccaagnaaga	420
agttcttcct	tcttaaaaaa	ccaaaagggc	aattggggga	ccccccactt	ttttnttcaa	480
cccggggcat	tggtcttggg	ccatttntta	ccaagtttgg	aaggggccacn	ttaaaatttc	540
aattgccttt	gaaacccggg	ccccttgggg	ttttcaaaaa	cccctcaacn	ttnttggccc	600
acnttttttt	ngggcttgga	ngtnggaccc	ctaaaaaacc	caaagtttat	taagccatt	659

<210> 914
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 914						
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ctttgctttg	cgatgacaca	agcgacatct	tgggaagaggc	aaaacttgag	acaggtcttc	120
aaggattggg	gccatctgga	cagggtgaag	aggagtagga	gggctttcgg	atgtggagaa	180
tggcatgcac	aaaagcacgg	agcaacactt	tatgccagtt	ggattatggg	ccattgggag	240
aaagatcaat	taaggtgaaa	ccccagtaga	gaaagcactg	gagaacaaca	ttcattcttc	300
cttaataaat	cttagtttta	aatatttggc	ttgagttttg	ttccattaat	aaagaaaata	360
agaaggaaaa	ccccnnnnnn	nnaannnnnn	nnnnangggg	cngggggggc	cntttnnnnn	420
ggnnttnanc	cgggttnnnt	tttttaaaag	ggggggggccc	cccc		465

<210> 915
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 915						
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aaagacgact	aaccacacaac	ctactcttct	ggaaaataca	atttaaataa	aataatttta	120
agt						124

<210> 916
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 916						
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aagcgatcct	cctgcctcgg	cctcccaagt	agctgggatt	acaggcaccc	accgccacac	120
ccagagagt	tgacgatccc	cctgatgcgg	ctgagatggt	ctgaaatgaa	gacgttggct	180
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tacgggggtt	caccgtgcta	gccaggatga	tctcgatcta	ctgacctcgt	gatccgccc	300
cctcggcctc	ccaaagtgt	gggattatag	gcgtgagcca	ccgcgcccgg	cgggttgngg	360
gttaatatta	aggcatttgg	gtanggaaca	cagccaanaa	cgattgcagg	atgggtcctt	420
ccaggacact	tgacgtctca					440

<210> 917
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 917						
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cttgccctgga	gcagccttgg	ggaatcaa	aggagccagt	ccctgccctc	cagaaactgt	120
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cagtatatag	ttcatttccc	caccgcaaga	gtaaagggct	tagggtcaga	ggctttgggtg	240
cctgagttct	gactctgcca	attatttagca	ttgggacctc	agactcagct	ggcagagagg	300
agaagcagcg	ggacatcagg	actatggctg	gacgtcagan	aaaaacaact	taactttaa	360
aggtggcagt	tggatggng	taacttagga	gaagaatctt	gactgggaga	cggccagact	420
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<210> 918
<211> 416
<212> DNA
<213> Homo sapiens

<400> 918
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ccactccaaa tgaaataatc agataacatt gaaaaagagg aaatccgcac aacgtccagc 120
tatggagtag ctacatggtg aaatgccggg aagatgtcca ggacaggatg tggtgacact 180
gtgggaaggc tttattgcag aagggaattc taagaagtgt gggagaacca tgaaatttag 240
cccagaagag taagaacatc tgtgccagga ttggaaagga acagctctga caaggaaaca 300
agaataggag aaaaatgcca gtgcagatag agggaggtgc taattgctct tagccaaaaa 360
cattanaagg atttgtcaaa aggagtctta cgtaaataat anaaagtctg cttctc 416

<210> 919
<211> 371
<212> DNA
<213> Homo sapiens

<400> 919
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tgacaaaata tttcttgctg ttagttgcag gagagagaaa agatgaatac tgatccacgt 180
ctgagagaga gacaaaaatt caagttggag aatgggtccag atacatcacc aaagcaagga 240
ggactgtaag tggatatcaa gaacctgagt gcagagacaa gagacagatc tctgtttctg 300
aaaacatggc aaggaaaata acctaaatat cctctcacta tcaagcatta aaaatggtgg 360
attaaatttt g 371

<210> 920
<211> 373
<212> DNA
<213> Homo sapiens

<400> 920
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ccacaaactc agcagcttca aacaaccaa atggattctc tcacagctct ggaggccaga 120
aggccaacac tcaaggtgta ctggggaccgt gctccctctg aagccccag ggaagaatga 180
cttccttgcc cctgccagct cctgggtggtg gccggcggtc ctgctcgctc cttggcttgt 240
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cagatttccc tcatataagg gcatcaagtc attggactgg ggccatcctc atacaacatg 360
ctggttagcc ttg 373

<210> 921
<211> 441
<212> DNA
<213> Homo sapiens

<400> 921
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aagaccacga acccaccaga aggaagaaac tccgaacgca tctgaacatc agaaggggca 180
gactccagac gcgccacctt aacagctgta acactcaccg cgagggtccg cggcttcatt 240
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gtatcactat cagttaaatc ccgcctcccc ccccccgaa atttataatt tttttaaccn 360
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aanagcngg gtggaacttt t 441

<210> 922
<211> 341
<212> DNA
<213> Homo sapiens

<400> 922
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 aatacttgca actgtctgca gggcctcgga gacatggggc aaatgggttt ccctcccgaa 180
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 tcacctgcaa agggttctac tgttaaaata aataaacaaa ataaaccctc tcttttataa 300
 tatgtgaact ttaaattaaa ataaaaaac agattagcaa c 341

<210> 923
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 923
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 gggcagtggt gcaaacaggg ctcacaggca gaggtgctc tgcctcctag gatcaaggga 180
 tccccccacc gcagcctcct gagtaactgg gattacaggc acaagccatc atgcccaggc 240
 aaggattcag ggacatctca gagccgctgg ggtctcgctc ccttcagggtc gtctgggctg 300
 ggaggtctcc tccctcttcc tccaggcacc agtgggagca ggcagtcaca ccttcctgtg 360
 agtgagaacc atagcagaac cttcaaagca cctctcaagt cgggctggag tgcaatggcg 420
 tgatctcggc tcaccgcaac ctncgcctcc gggctcctgg tcaagcagtt ctcctgctca 480
 acctcctgag tagctgggat tacaggcaca tgccaccacg ctcaactaat ttttgtattt 540
 ttagtaanag atggggggtt accatgttgg ccangctgnt ttcaaaactc ctgacctcgt 600
 gatccgcctg cttcgggnctt ccaaaaatact gggattaca 639

<210> 924
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 924
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 tgtaagagaa ggaatggggg acaagatcta gggctgcagg attaaaaaaa caaccaaacc 180
 aaacagctgc tactcttcat acgcgtcatt attcctttcc ctttattttg tgaaatatatt 240
 aagtattttt ataaattgtg atattagctg cttaaagtat tgtaaataaaa attaatatt 300
 gtaattaaag atgtatatat at 322

<210> 925
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 925
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 ccagatgaaa aggaactgag agatgcctct gaccaacagc agaggaggaa atgaatctgg 120
 aaacaacct gtgaataaat ctgagaatga atgcaaccct agctgaacct taaagtacca 180
 tctgacacct tcattacagc cttgtgatag actgagagcc agaggaccca gatgaaccac 240
 actgggtacc tgaccacagc aagctacaag ataaatgggt gctgcgataa taaatggtta 300
 ttgcttt 307

<210> 926
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 926
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 tctccttcc tccatactcc caaggcacct gaggtctggc tcttcaggct gtgtgacgac 180
 agggacttta aagaggcaat gaaggtaaaa tgaggctcacc aggatggact ccgatataac 240

cggtgtcctt	acaagaagag	aagacaggac	acgcncacaa	agcgagggtc	agccatgtga	300
ggacagttag	aaggcgccg	tcacaccca	aggagagagg	cctgggaana	aaccaacctt	360
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<210> 927
 <211> 668
 <212> DNA
 <213> Homo sapiens

<400> 927						
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aggcacccac	cctcgtgccc	agctaatttt	ttgtttgtat	ttttgtagag	accgggtttc	180
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ggcagggtcg	cactccctgc	aaaggctgta	ggagacaacc	catctttgct	tcttccagct	360
tctaggggct	tccgcagcat	gccttggcgt	gccttggcct	gtggctgcat	tactccaatc	420
tctgcctgta	tggaataatta	cctcctcctg	gtccatctat	ctccctgtgt	gtcacttata	480
aggacagtta	tcattggatt	taagtgcct	cctggatgat	ccaggatgat	ctcatctcaa	540
gacctaatac	ttaagtacac	cacaaaagtc	ccttttgcca	aatgaaataa	cattcaccat	600
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taataaaa						668

<210> 928
 <211> 484
 <212> DNA
 <213> Homo sapiens

<400> 928						
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ttgggactac	agagaatttc	cctaggtcaa	atggcaccca	gaaactgcct	cctctacctt	360
gaaagctaca	ctgtcttaac	cttgaccaat	ggctgactga	tgtgggaatn	caaaagtcct	420
cctncttgtc	tcaaggatgg	agccttgctc	tgtcactcaa	gctggaacgc	aatcgcgcca	480
tagg						484

<210> 929
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 929						
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cagtgaaaac	cgaactccgg	gatgtagccg	gattggaanag	aagcgagtgg	cgcgtgcgcc	180
cccttctctg	ggcggtatga	tgaacgtttc	ctccaaacct	ctnaagagcc	cgtgggattt	240
taccctttca	cctgcctccg	cttctgtctgt	atcttgctcc	agttcggtta	gtgtgaagggt	300
ctcagcagcc	acacctcgac	agcataccgg	gaactctcaa	tactcctcta	cccattagca	360
ataaacaatc	caaaaattc					379

<210> 930
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 930						
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ca						62

<210> 931
<211> 418
<212> DNA
<213> Homo sapiens

<400> 931
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gcttcactcc cgacgtctgt tcaggtcaca atttctacag cagagacctt gagggatata 120
tttcttcaact cctcttcaact tcttcaacag agtttcgctc ttgtcaccca gcctggagtg 180
caatagtgcc gtcttggtgc acagcagcct ccgcctcctg ggttgaagca attctcctgc 240
ctcacctcct gactagctgg gattacaggc atgcaccacc gcgcccagct aattttgtat 300
ttttagttag gacgggactt ctccatattg gtcaggctgg tctcaaactc ctaacctcat 360
gtgatccacc ctctcgggcc tcccaaagtg ctgggatgac aggcgagtta agcgctgc 418

<210> 932
<211> 83
<212> DNA
<213> Homo sapiens

<400> 932
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acctcttttc ataactctgca cct 83

<210> 933
<211> 369
<212> DNA
<213> Homo sapiens

<400> 933
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ggatatatga aaattacntc cnggagggat tttcctgaan aanataanaa aacctntggg 180
ggaaattttt gaaaaaattc catccaatac cgtngaaagt cttcaaaaat gcttgctcca 240
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caagnnggaa agcttatgct aaatcctggg atngggngn cncctttgta attaaaaaaa 360
tccccccc 369

<210> 934
<211> 475
<212> DNA
<213> Homo sapiens

<400> 934
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cctcattgct ggaggcagtc gctgttaaca tcttggtggc aacactgagc ttcattggctg 120
actcttcaca atttgatggg gatcttgcta tgttgcccag gctgaccttg aactcctgac 180
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cacctggccg atttantttt ctgtatgaga tttggtactc tgaatatttc tttcatccag 300
gagagagtta ttgcttctat gtgcagatct tatttgcat tgggatcacg gactggaaaag 360
ggctcagggg tttatatcat tgcaaccgatt taaaaaaagt gttgacagcg gggagganga 420
tctgaaatca gggccttcnc gaggaggctg gctgacctn atttctgct ggctt 475

<210> 935
<211> 486
<212> DNA
<213> Homo sapiens

<400> 935
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ttgcctccct ctggcctcat tggtattttt tcattctctc ctcccatatt ttgnaagagt 120
gcattgattt attgccattt tcatttttta aaacatcttc ctccatctc aacaagcatt 180
tttgcccaa gcgagtatta acaacttccc ccagttctc cttgtgttcc tctgtcgagt 240

gttcttattc	attccatttg	tnaaaaaagg	aattctntgg	gccagcacia	agcatctgct	300
gcttctatcc	aggcaaagaa	agatgggtggc	atgggggtttt	tatttactga	aggctggggac	360
gaacgcagag	ctaagtgtgc	attcctgggtg	ctcctggcctt	tgtaggtgat	acaaaaagctg	420
gtnnncctgg	caagaaanaa	aancccttcc	agaangcaaa	atcaatgccg	gcnccccact	480
tcacca						486

<210> 936
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 936						
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cctccacctc	ccagggttcaa	gcaattctcc	tgcctcagcc	tcccaagtag	ctggggattac	120
agatgaggtc	tccaagggac	cagatggaga	acagatgcaa	ccacactgaa	gtcagaatcg	180
cagcttgcc	ccgacacctg	acgcttcaact	gttggcgagg	cccactatgc	ctcgctctcc	240
ccctggaatg	agttctatcc	cagaggctcc	tatacccttt	agaaataaac	tgctcaggca	300
gccaaccag	ttcatccaag	aggcctggaa	ccacagcagc	gtcgacagct	gagatgagag	360
ttgggtccctg	atcttataca	nancccgggt	ttaagtttga	nttctttctt	ttccttgnca	420
agaacnttta	aaaaaaaaact	ttttggggggc	cggggcattt	tcttggttnt	tttccnaacc	480
naaaaaaaga	nttttttttt	aaaacc				506

<210> 937
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 937						
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ggganccaat	naaaaaaaaa	tgcggggacn	tctcatgatg	acctgggncc	ttggtntttt	120
tnaaataaan	cctntttttt	taccttggtc	caataaaaaa	gctgaacttt	tt	172

<210> 938
 <211> 592
 <212> DNA
 <213> Homo sapiens

<400> 938						
agaactggag	gcagtggcan	tcattanggc	tgtctttggt	gccttaaaca	agtatttgga	60
tcaaggtntt	tgtaaataag	aagatttttt	ggatggatga	agaaagatnn	ctttattcna	120
gcacccaaaa	aagccaaaag	cntttttaant	gcccatatta	ttgtccccaa	agaaaattgg	180
tataccaggg	accctgggct	taancttatt	tcatctgcna	tggcagggta	ccattaaaag	240
aaaacaatta	ngatgccgn	acccaaaaat	gccaattacc	ctgggaagga	accagaccat	300
tagaggttgg	gaaaaattat	tntgggntat	tggggaaagg	ggtatttccc	aacaaaaaaa	360
aggaccattg	ggattgaaaa	aggaccggaa	cgactttctt	tggaaccaag	aaaaaacccc	420
canggaaaaa	ggtcaaaaaa	aaaaaggaaa	gccnncana	gaatggattt	tcttggaatg	480
gaaatantgg	antgggaang	aaccgacttn	ttgcaangcc	ctcnaacttt	ttatttttca	540
accnccaa	gncttggtt	caaacccttt	caagggaang	gggttttcaa	aa	592

<210> 939
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 939						
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ctcgagttca	agcgattctc	ctgcctcagc	ctcccagagta	gctgggatta	cagacgcgcg	120
ccacccacc	cagatgatct	ttttaaatgc	aaaatgccat	cgacgcaaaa	aatcaaagaa	180
tcagcttaag	ttccagaaaa	aagaaaaacc	naccnaatga	acnathagac	naccnccncc	240
nccacaaaa	aagncttttg	gggatttttg	gaaatatttg	ngtnatnattc	ntntacttta	300
ccngngagaa	aagagnnttt	ttttanaant	ngnccntcca	anatggagat	ttaaaattca	360
tttanggtct	ttggaaang	ttcttaaaan	aaatggattt	ggggg		405

<210> 940
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 940
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 tttcccatat ctattatttc attttatcat tgtaactgtg actttcaaaa gaatngagg 120
 gcataattaa acatttactc acgaacc 147

<210> 941
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 941
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 gtgttctctg tgaccagta gtgtgaattg cttatctgtt tctgcattaa ctcaaattta 120
 tcagtgatta ttgcctgaat acctcatgct ttctgagatc tacagggtaca gatttagggg 180
 tgaactcttt ctctaaataa atttaattcca tgtgtgttaa aaag 224

<210> 942
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 942
 agccaataaa ttttcttggg gctcacatgt tttcataggg ccctgaaaag cccggaggcc 60
 ctgggtactg tgcctttagt gccacgtgga aagaacagct tgggctcagg acttcagggtg 120
 gtctccacc ggccactgga gagaatgaga caaaaaagcc ccagatgagg agactcaaga 180
 agctatgaaa ggtgaaggca tttgctcaga gtcacacagc tactgaggag caaaccaagg 240
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 gaataaatat taactattac tattatcatt atcagaatct tctctccct gaaggaatta 360
 aagaaaaaaa aaagcctcct nattctaccc ggttactnac tggngaaccc angggaaang 420
 gacttaatct ggcngggcct cagtttgtca cctataaaaag ggggatatag g 471

<210> 943
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 943
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 aaanaaaatc atttctnng ganggacant tccgggaang gcactcttac gctttccnaa 180
 aatcantctc ttaccctca aagggtcttt atgcttgctt aaaggcaagg gccancccc 240
 cgagtttngg ctggggacct cttaaattta ttgggggggc nctccccctt gaatggtgng 300
 gaaaaagggg gggggccttc ccttcattta aaaaaggtgg t 341

<210> 944
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 944
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 tgcacgcatg aanaaaaggg cgccctttc ttcattatgt tctgatccga cacatggcct 120
 tgaccagaag ccaagcagat gctggcacca tgcctcttgt acttcccagc atgcagaacc 180
 ctgagagaca gtgtttcacc atgttgtcca ggcttgcttc aaactcctgg gctcaagtga 240
 tcttcccacc tcagcctgac aaagtattgg gattacaggc gtgagccacc atgcctgacc 300
 taaaaacatt tcatcacctc aaaaatatct tttatgctct ttccaagtta atcaagcttc 360
 tcacccccac cccaaatcca ggcagctgnt gggctgcttt ctgncactat aaataanaag 420

nggatttttaa nagctcaaat aaanggaacc atacagaata taatctttg

469

<210> 945
<211> 285
<212> DNA
<213> Homo sapiens

<400> 945
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ggaccttccc cattgagatc tgtcctctga tatgagtga gaatcttttt gtccatatct 180
tgagcatttt aaacaaaagt taagcttcac tttanattaa actgcattct caaactttct 240
ttgaaaacta atgctgttag aaataaaaaga caagtttgta tatgt 285

<210> 946
<211> 438
<212> DNA
<213> Homo sapiens

<400> 946
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cgggatcaat tccncccccc ccctaacgtt actggcccaa nccgcttgga ataaagcccg 120
ggggcgnttg nctatatgnt atttnccacc atattgcctt nttttggcaa tgggagggcc 180
cggaacactg gccctgtctt tttgacgaac attcctaagg gtcttttccc tctcgccaaa 240
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acaaacaaac gttttgtaac gaccctttgc angcagngga acccccacac ttggcgaaan 360
ggtgnccttt tggnggccaa aanccccgtt gtatnaaaaa ncccctggaa aaggngggga 420
naaaccccaa gggccccc 438

<210> 947
<211> 172
<212> DNA
<213> Homo sapiens

<400> 947
aaacttataa gggggatact tatataaaca cantggccac atttcctaat cttcttttca 60
atcccagctg gtggattaaa catttttttg gaaagtaacc tcctattata aaattaaaag 120
ccaatattaa gagtttttnc caatcaagaa tggtnataa aatttttaac tt 172

<210> 948
<211> 191
<212> DNA
<213> Homo sapiens

<400> 948
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tcaagtaatc catcctagag ggggngttct ttttaanaat ttgagaagga aaacgtacnt 120
cccancntct tttatataat gcgagcaaac aaaatatattg ttacaacact tcattcaaat 180
ttatttaata t 191

<210> 949
<211> 516
<212> DNA
<213> Homo sapiens

<400> 949
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aggagtcca gaccagcctg gccaacacgg cgaaacccca tctntactaa aaatacaaaa 120
aattanccag gcctgggtgga gcacgcttgt aatcccangt actngggagg ctaaggcagg 180
agnatcactt gaaccanagn gangctgcag tgatctgaga tcgtgccact gcactccagc 240
ttgggcaaca gaacacagac tccntcttaa aaagaagaaa gaaagaactt ctatttttta 300
aangtttttt ccttttcattg aactccatnt atngcctttc cattcaaagc ataaagatta 360

aatttttaaaa	caaggcttgg	ccccctggct	tatgcctgta	atcccancac	ttttntgagg	420
ccaaggnggg	cgggatcacc	tganctcaaa	ngnttagaat	centnctggn	taacattggg	480
gnaaccccct	tncntaaga	agaaccccat	ttttta			516

<210> 950
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 950						
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ctggggcact	tgggcagacc	cccaaagaca	tccttaaaga	caagagaaat	cgggggctgt	180
gtgaagatgt	cacatctgca	gatagggttc	gaggtagagc	ggccttttgg	gttttctcct	240
catttgaggaga	aattgagaag	tagcacggaa	gacctccana	cccagagctt	gtgtacggca	300
cagtccttga	aggatttgc	cccattctca	gggagcaaga	cccatcttaa	acgtggaaac	360
aaatacacga	gagtaataca	tacttgaggc	ttaatgnaaa	gttaattcct	cttggcacag	420
cccagatat	cttgaataaa	tggctcgcga	agtgcgtgaa	tatcttgata	atgnccgttt	480
tacttttgan	tatataatca	att				503

<210> 951
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 951						
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ctgngagcca	accaaggaca	gcctgactcc	anaagataca	ttcttccgaa	ataagacata	120
aagccttttg	tccagtagca	cgatcgaggc	tactctgcat	acagatggag	tttctactctt	180
gttgcccagg	ctggagtga	atggtgccat	cttgactcac	tgcaacctcc	acctcccagg	240
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ccatgttgcc	caggctgggc	ttgaactctg	cgctcaagcg	atccacctgc	ctcgacctcc	360
caaagnntg	ggattacaga	catgagcccc	tgcgcctggc	cagcttcacg	catattgnta	420
taatcttcat	ggacaaatcg	aaactcaaan	ggagntttgc	tcttgttgcc	ca	472

<210> 952
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 952						
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actacaggag	gagcaagtgc	cattctgcct	caagacccta	acctcagcat	ctgaatctct	180
cctgagtggg	ctcccttcat	tccttttcag	ctccacttgg	cctagtgaac	tccgactcat	240
tctgcaagtc	ccagtacacc	ttctttaaca	gtctgcatga	ggcagactct	cacagtccac	300
tctatatttc	ttccatgaca	ctcttcccaa	atgtaactaa	aggattactt	gtataatttt	360
tcctttagca	tttgtttttc	aaactagact	gcagctcact	ggaagcagg	cactgaaatt	420
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<210> 953
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 953						
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ggggataact	acctgcagag	aggagctatc	ctctttgctg	agagcttcag	aggcctgcag	120
agacatctga	acaacctgcc	tacaaagagg	agccaccctc	ttcagagcct	cctctctgct	180
gagaacagca	gacagcagga	tgaccagtgg	gcagagaaga	gctacccctc	ccagggcctc	240
ctctttgctg	acagctgaac	actccatggg	atgacctgcc	tacagagagg	agctaccac	300
ttccggtctc	ttctgagcca	ttctaact	aaataaaatt	cttcttcatc	ttc	353

<210> 954
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 954
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 tttacacgaa gtttcaccac cttgcccagg atgggttttca actcctgagc tcaagcaatt 120
 cgccaacctc agcctctcaa agtggtgagg ttacaggcag gagccaccaa gcctggcctt 180
 acgtacatct tttgactctc caaaaactta actactaata cccttctgct gaccagaagc 240
 cttagtagta acataaacag tcgattaaca catattttgt atgtttcatg tattatatac 300
 tgtattctta caataaaata agctag 326

<210> 955
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 955
 gtccttgac cgtgcacacc acaacaatg ataaaaacgg agacacctgg gtgagcctca 60
 ctactgagc atgcctccat cttcgaagag ctctgttca ctgtactctg aaatagactg 120
 tgcaaaacat taaaactgac 140

<210> 956
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 956
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 agaagtttgg tcagacagcc gaactccagg gaaataccac cttctcgctc catccccctc 180
 ccagtcctcc ctccactgg aagccacttt tatcagcaat aaaatcctcc gcgttcaaca 240
 ccctc 245

<210> 957
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 957
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 tcatcaagtc ccatagcccc tttgtctatg gaccttctgc cagcatcttc tgtaagacta 120
 ttaaaatgca ccaacccaag gtctccagtg ctgctgagtc ccccggtgca cctcctgcaa 180
 ctgccacagt tgtcaacagc tcaaatccta gagaccttct tcattagggtc aatgagtatc 240
 taaactttta aaaataaata aaggggtaat tattagcttg ccccccatcc caacaaaaaa 300
 aaaanggccca gngnggccan ttcanntnga anttanccag gntgaacttg ntnaaaaggg 360
 ggggactacc caa 373

<210> 958
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 958
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 ggcctccgct gctgacctct gaaacacaat tcccagctctg actacggaaa ctgttcagtt 120
 tgatcctttc aacttatttg aatcctgaca aataagctca cagctgaaa gtcaacatag 180
 tcgtatttca tctccagag ctgttcttaa gacatctgca caacaaagca cttcttatag 240
 cacctgacat gggccctcaa tggcactgta cctcattaaa aatgtccctt gcatgcgcac 300
 gcattccaag gcacatggc tggatggtt ttaccaata agtgtttaca gaagggttag 360
 taaacaaggc agattgtcaa cttttccaat aaagcgtcac tatagtgtct aa 412

<210> 959
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 959
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 ctcggcctcc caaagtgtctg gaattacagg cttgagccac catgcccagc caaccctata 120
 gctttgtctcc acctgggagg agctggagga caaaggactt cacagaagaa tggagtccca 180
 aagaaacagc ttcaggaact gaggagagcc agaaatttaa tgtatttagg gtcaccttgt 240
 gaaaacac 248

<210> 960
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 960
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 gccatgtgtt gaagagaatg gaacaagatg gaagaaacct ggtgatcagg gagccgccat 120
 aacagtcttg ggttgtctct gtttacatga gagatgagga aactgaggct cagagaggtt 180
 aaatatcttc ctcaagaatt ttcgccagag ctgggatttg aaccaaggctc tgcttgactt 240
 agaaggcagt ggtccttgct ttctcccag gagaaaggag cagagatacc taaagatgcc 300
 tgactcccaa tcccattggga acatgcccc tgcgggctca ctctctctcc tctttgtctt 360
 caatttctaa gaatgtcttc ttttactaa aacaaaacac tccagaatgc attctgcatg 420
 aataaagact gccaaactcca tggcagaaat aacat 455

<210> 961
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 961
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 ctacgagagg atgagtcaaa actcagtaag aaaggcagtc ctggctccct gccatgcttc 120
 tctcccctac cctgtctaca agggctgatg tgtggctctc caaccatcac tccattgctc 180
 ctcaagtggg cagtgggaagg acaaatgtat ttccagccca aagcacaaat cacctgattc 240
 aacctcatg ggtgacctag tcaagtggcc acctctgggc cctacatcag cctgcccttc 300
 cttttatcat accacctgtc taactgtatt ataaggatct ttttccatga ctaaattttt 360
 ttttgaaaac aaaaaaaaaa aagggncnng gggnnenttn nntnngnct tnanngggg 420
 gaantnttn aaaagggggg ggg 443

<210> 962
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 962
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 tgcgcccccg ttgttcccc ggcgacagag gcttgatgcc gcttcaagt cccgcagtta 120
 tttttgtcag ccatactctc ctcccactcc tcccaaagaa agcattcagt gattcatcgg 180
 gagaccgga gacatctgac ggttgctcag ctggtatccg gccactgagg ggaaggagga 240
 gtgtgttgat gtccccttg actctccttg aagaaactgc atagattcac agactcctgg 300
 aaaatcagaa tccagaatgt gcacatgata cactgttggt gtgtgtgttt atttgattc 360
 actcacggat tcaacaaata tttgttgatt acctgcc 397

<210> 963
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 963

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gaagctgcca	tgctgaaaag	gccaattggg	agaccacata	gagaccgaga	gagacttcca	120
aggactccag	ccaatcctgg	gccccagcag	tttgaatctc	ccagcaatgc	caccatacag	180
gagaggggagc	aaatactcan	aagattcaag	tgccagctgc	atgggttgat	acctacataa	240
aaggcattgg	cattattcac	aagagccaag	atatggaaat	aacctgtgtc	cattgacaga	300
cgaatagatg	agggaaacgt	ggcatataca	cacagtggaa	tattattcgg	acttaaaaaa	360
agaaggaaat	cctgaatcct	gctatctctg	acaacatgag	actgcaggac	gttatggaan	420
tggtccatca	tgctcttnta	aaacttttnc	tccctcagnc	aanaaggggg	agcctattta	480
ccctggncct	tgaantggaa	naaggacttt	tgccctggcn	ttgtttttan	catccccctg	540
ntgaaaaaaa	aacc					554

<210> 964
<211> 131
<212> DNA
<213> Homo sapiens

<400> 964						
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cctctgtgtg	gaacagaaga	tttttaaacc	tgtatattta	tagcaaacia	tgaatctcta	120
aatagttctc	c					131

<210> 965
<211> 305
<212> DNA
<213> Homo sapiens

<400> 965						
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tgagacgggg	tccagaagga	gcaagatggg	atgcctttgg	actgagacct	taaattccac	120
ccagtttatt	acaaccatgc	tcactcctct	acctgccttg	ccccaatcgg	tgcaaacatgc	180
cttctccagt	cttgcttcc	ctctaataca	taggttgtct	ctgttttaag	aaggcaagtg	240
gccagtgaga	gccttaaact	accttagtgt	tctctaaata	agatatgcct	ccatggagtt	300
gtaag						305

<210> 966
<211> 601
<212> DNA
<213> Homo sapiens

<400> 966						
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ttcaacgtgg	cattcgaggc	gcaaggaaaa	acctgcctat	cccaagatct	cagcccatc	180
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atgagatttg	agtcaagaag	gatgacctag	caataacctc	tatatatctc	attatgccaa	300
tacttaaatg	gctacataag	aggacagtcc	agtgcagagc	atggaaagag	gcttagaggt	360
catctcattc	atcacaccat	tttacagagg	aaagcaaaat	gccatccaga	gaaggaaaagt	420
cacaaagcca	tctaacccca	gacctgggag	tagcagctga	tcacagcggg	tcggacacaa	480
gaagctgctt	ncaaaaaatc	ttncctttcat	ttggctacag	agaagacatc	agaaaaacaaa	540
antttataac	atggctctag	ctctaactca	ctattcacta	aaggggccaaa	ttaatagggg	600
a						601

<210> 967
<211> 161
<212> DNA
<213> Homo sapiens

<400> 967						
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ccacctcagc	ctctcgagga	gctgggacta	caggcgtgca	ccatcatttc	ctcctaaaaat	120
tgtatgtgct	gcatatataa	aatgataaat	gctttacata	t		161

<210> 968
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 968
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 tgcaagtgcg ccagcagtga agtaggaggc ttggacacag ggagagataa atgtgggttc 120
 ttctaagaca gatgcaggat ccagcttatt ccttgaagtt tccagtgttc tgcactctac 180
 tacttgacat ccatctttcc ttcattgaccc cctgtcttat aacttcaggc tcagcaccaa 240
 acagaataaa cagttgaatt aagtatggct actacataag gtcagatctc tataataaat 300
 tctttactct acctc 315

<210> 969
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 969
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 ttccttttca tttttttctg ggcaaatcta aaccttttga gaagtagatg agtgaagtca 120
 attgcaaaga agaggagttt gggacacaga cttgtgtgag gacacagggg gaagacagcg 180
 tctacaagcc aaggagagaa gactcaggag gaaccagcct tgccccacacc ttgatcttgg 240
 acttccagcc tccagagcat aagagaataa atttctgttg 280

<210> 970
 <211> 587
 <212> DNA
 <213> Homo sapiens

<400> 970
 ctgtagtgcg gtggcacgat cttgggtcac tgcaacctcc acctcccagg ctcaagcaat 60
 cctcccactg cagcctccga gtagctggga ctacaggcat gtgccaccat gctgggctaa 120
 tgttcgtatt ttttgtaaag atggggtttc accatattgc ccaggctggt ttcgaactct 180
 ttgagatcaa gtgatctgcc tgcctcagcc tcccaaagtg ctggaattac agtgctctga 240
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 aacagataaa gaaccacaga aacagaggac tgggtcccag naccgtcaga cccccagcaa 360
 ggagccagtc tgcactgacc cactgaagaa atgggtcccg ggggcttgac tttgtatttt 420
 aaaaaaagtc cgcaagtcaa cctaaagact gtagctttca accactgatg tctcgggtgn 480
 acacttgaca tttggaaaan tnggctggtc atttcacccc acccatcatg gtccctttnt 540
 tttactgagg gtccaaaaca caaaatcacc ttagaatcat ttggttt 587

<210> 971
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 971
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 cactcaggcc caagcctgac accttggagg acacgttgga gacacgtgga aagttgacca 120
 ggaacagagc caagtacttc ccaggctccg tgggcatcaa agggattgca ctttttccag 180
 acccaatcca cagctgcagg cagcaggcag gactctgcac tgacaaacga ctacactctg 240
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 ggcccaacct cactcaggaa tgcctgcgac ccagcagcct gtcgtgggct gtgctgcgaa 360
 tgccacacat gggccaggct cttcctcccg caggccttcc cagctgtcct ctgcagcttc 420
 cttgagctcg ttctcttttt ctctgtgagg catgnaagtg agatgcatgc acccaccttg 480
 gtatt 485

<210> 972
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 972
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 gttggagata caaattgaag ccagccccag ttcaaaactg ttacaaatgg agtctgtagg 120
 catgaggggc tgactatata actcagagtt ctccagtact ttactttaat aaagaacaca 180
 atctttatta aaggataagt aataaaaaatg tgttgatgtg c 221

<210> 973
 <211> 582
 <212> DNA
 <213> Homo sapiens

<400> 973
 ctaatgcaag agatacacca agctgagcaa caagaaaaga tctactgaaa gtctccttgg 60
 ctttaccaag aaagttgccg tggaccctta ggtcacatag cctgaccatg ctcatatgaa 120
 ccaatggtgc aaccacagga ggaacctaaag tgctcagctg agaagcaggg actgaatcaa 180
 gcagcagaca cgatgataaa gtttggatgt ttgtccctc aaaatctcat gttaaaatat 240
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 caccctctcc cttctccctc gctccctctc ttgcatgtga cacacctgct tccccttgc 420
 tctaccatga gtaaaagctt cctgagatct caccagaagc caagcagatg ctggtgccat 480
 gcttgtcagc ctgcanaact gtgagccaag taagcctctt ttctttataa attaccaat 540
 ctcaggtttt catttatata atgaaaaaca aacctatatt ac 582

<210> 974
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 974
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 acgttctgcc gtctcagaat cccagcgggg cacagcagga cagaaatgct ttctcttttt 120
 taaaggactt accattccgt attctgagcc tcagtggctt atctcatgtc gtgagtccca 180
 ttaagccagc cacttggacc agctcaataa aatgtctcaa tgg 223

<210> 975
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 975
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 agaggtgaag tggttgatt cagtctgagc caaaggccac tttatctggg tttaaggaca 180
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 tactcattat cctgtctgtc tctggggact tcttaaagt cagcaatcat tgtcatcttc 420
 actgttgctc cgcagcaccg cacatggctg cacctgggac atctnctctg atgtaaaggc 480
 tgtgcagcca aaatttgcaa ttcttcccc agctttttaa attgtgtaaa atatat 536

<210> 976
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 976
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 tcacagcgaa cctcggtcac tgacactcaa aagaaggaat tatttcaact caataataaa 120
 caaataaccc tatttttaaa cc 142

<210> 977
 <211> 345

<212> DNA
<213> Homo sapiens

<400> 977
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ccgaggcctc cccagctatg cctcctgcac agcctgcaga actattacag ggagcaactt 120
gaatttaatn cttctgattc caagtgtggt gttctgcctg tgcatacgga agaaggacga 180
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attgtcttga antttaaaagg ttatccttaa aactcatgct tcctt 345

<210> 978
<211> 204
<212> DNA
<213> Homo sapiens

<400> 978
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ttcagagctg acctagaagc cagccactcc actcagaccc aattcggatc actatgttcg 120
tgaggacttt aacagcatca ggagctccct ctgactgcta tatgaagaga actgcactcc 180
tgcccgagca acagagcaag actg 204

<210> 979
<211> 309
<212> DNA
<213> Homo sapiens

<400> 979
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tcctcagcta cactgatgag cttggcagtg aattatctag tcccatccaa gcttccagaa 180
gactgcagcc ccagctgaca gcttgactgc aacctcatga atgtttctga gctaggacca 240
cccagttgct tctgaattcc tcaccctcag aaactatgat acaataagtg ctgattattt 300
taaattgct 309

<210> 980
<211> 589
<212> DNA
<213> Homo sapiens

<400> 980
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aggccttgct gtgtccatgg tctcctgggc agatcttggc caaggggtgtg ctttaggtgg 540
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<210> 981
<211> 259
<212> DNA
<213> Homo sapiens

<400> 981
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actccatcaa ggtggacaga cactcaacgc cctggtagat aacaaagaca acggtggacg 120
agcaataaag aaatctaaca aggtctcaaa ggaacagcaa atgaatttca attttaaaag 180
gacatgggtc attctagaaa tcaatgtgtg tgcaatccaa cagttccata tataaatacc 240

agaaaatatt tatgaagc

259

<210> 982
<211> 191
<212> DNA
<213> Homo sapiens

<400> 982
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gtgccaaaaa caatgtctta tttggccatt tttcccttga ccctaattgct agaaaggaag 120
gagagaggga agcttaaata atttataaaa tcctggtgaa ttgtcaatta agtaaatcct 180
ttttaaaatt t 191

<210> 983
<211> 620
<212> DNA
<213> Homo sapiens

<400> 983
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gagatatagg aggtggactt ggaggtttgt tcggagtcac tggctgcagc aagtctcctc 120
ccacacagcc gaccccatc ctcagacctg cactctgtac agcatggcta ctgaccaact 180
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aggccagcat cagaggaagc tgggcctcca agccttctc ggactcagaa tcctcccagc 300
agatacccgag cagaggagt gtgaactctc agcccctaaa aagggtttt ctctattttc 360
catgagttag gatccatgat tacagtccag tccctaagct ataatctctc agaaagagga 420
gcgacaagaa gcggatgtga gaaagtaaag agattttcag gcattaaaag catggaaaga 480
acaaggcagg ggagatgctt acccccctgc ctggaggact cttggcgctg tgctgggtnc 540
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tttgttgaat aaagattggt 620

<210> 984
<211> 495
<212> DNA
<213> Homo sapiens

<400> 984
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aactgcacag acacaaaagg caaacaggtg aatacagatc aacaagttgg tcagttcttt 120
gctaataagag ctgagccact gtcacttgct atggatgctg aggccctgaa caacctagag 180
gatctaaagg caacactgag atcactgacc cgagtccttt cccagcgatc ctaaaataga 240
tatcacattg cccagatggc aacattttct cagaggacct aaaatttagc cccttactga 300
tcttgaggtt cctgacctt catccaacag cctgccttc ttcttctcca cagcaatgaa 360
gagtgaagg ggcggggtca ccctaagtga ctgaatcaca ggagttaact gctaactcca 420
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ttggttcaca caggt 495

<210> 985
<211> 410
<212> DNA
<213> Homo sapiens

<400> 985
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gtaactttgt ctgaatatga aggacccgaa ggaccactga gattggagac agaacaaagg 180
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cagaactaca ggaagaggat ccctgagtgg gattcctgtg tgaaaggcat ttccacctt 300
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<210> 986

<211> 316
 <212> DNA
 <213> Homo sapiens

<400> 986
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 attaatcca gccataacta cagcttttat tggacaagag actgatttca gcactttcta 180
 cagataagaa gaccatcaac catggattgg ttctggccgg tttccagaag atacactgtt 240
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 aatgtctcat ttctcc 316

<210> 987
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 987
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 tgttcctcca aaaggcactc tgctttttaa ctctcaggtc tcagacaaca aaccaaagac 180
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<210> 988
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 988
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 aatacgaataa ttagccattg tgggtggcaca cgcctgtaat cccagctact caggaggccg 240
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 ctccagcctg ggcaacaaag caacactatg ttttaaataa ataaataagt gctgagatct 360
 cagaaaatac aaaaaaaaaa aggccagcga ggccaattca gnttggactt anccaggctg 420
 aacttg 426

<210> 989
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 989
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 aatgaaaccc actgtgttcc caagtatcac ctggccctcc ctcttgatat cctcttttgg 240
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<210> 990
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 990
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 ttcaagaagg gacttgctct aactgctaag agtgctgtca acaaaaagcc ttcattgggca 180
 gattttcagg gacctcatca gatgcaaaga gacattcac ccaatgtcat gtctttccca 240

atgtgatcca	tacccaatga	ctgattaaga	tgggagtata	agggccagac	cacttttggtc	300
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cactgccact	ggacgaaaac	tgtaactcta	cttctccaca	tgctcaatct	tgatcccttg	420
ctctgccttc	ataaatgttc	atccaagggt	acttctaat	aaatattctg	catac	475

<210> 991
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 991						
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tttaaatctt	aaagagtcca	tggtgtgagc	atctcaagga	agtgaggcct	cctgccaatg	120
gccatgtgaa	tgagcttgga	agtggatctt	ccagcctcag	tcaagccttc	agataactgc	180
agccccatct	gacagtgtga	ctgcaaccct	atgaaagaac	ctgggcccaga	accacccagc	240
taagctgctg	ctggactcct	gactctcaga	aactgtgtga	aataataaat	gctttttgtt	300
ttaacct						307

<210> 992
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 992						
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ggtatggtgg	ctcacagctg	tgatcccaac	acttcggaag	gctgaggcag	acccctgaat	180
tccagcaacc	agtttgaagt	ccccacacaga	ggaacgggat	ctgcaagaga	atacagcttc	240
ttcatctccc	tgtcccatga	cttcactcctg	tactctttaa	caaataaaca	attgccacac	300
ttcgg						305

<210> 993
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 993						
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ggagtccagg	atttacaagc	ctgctgttct	caaccttggt	tggcactaac	acaccggaga	180
ccatcagtaa	cggtgggtct	gcaaggcaca	gatcttcacc	agggatcctt	ggggagaaac	240
caagcaaact	atttctgac	actagacagg	cgtatccctc	cctttgagaa	aattcacttt	300
ctaaaaccat	aaacaacagc	tggttg				326

<210> 994
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 994						
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tgacctcccc	actgccttag	ctttggcaaa	tgaaagaaaa	gcagaagtga	tatgtgtcat	120
attggatgga	agaattccc	ctgcccttct	cctgtttcag	tgattgcaga	agcactcaag	180
ctgaagcctc	cctccctgtg	gtctatgagt	cactctcatg	agccatactt	gccaccctgc	240
accagacatc	tggcataagt	gaggaataaa	cctctgtgtg	gaatgc		286

<210> 995
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 995

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ctggcaaaaa	gagccaatg	gggtaaacgc	cattccagca	gcacagccga	ggaggagact	60
ccacgtggga	ataaatcaag	ttgaggcaga	aactaaataa	gacccaatt	ctaatttatt	120
aattcaatct	tttgctctca	ttttatctaa	cacatgaatc	agttcaattt	ccaagccatg	180
tgtgctttcg	atgtcaaata	tataataaac	taagttttca	ctg		223

<210> 996
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 996						
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cactgggtctg	ntatggaaaa	tgggtgnaatc	ctgctaaaaac	ttctctgtct	ctgctacaca	540
agtgaacact	gacnttttca	ttttggaaac	ataca			575

<210> 997
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 997						
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ggagataatc	cacttggtta	tccgcggatg	tgaacataat	ttggaggcag	cagtcactcc	120
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gaggagcaga	gtggagggtg	tgtgtgcatg	gagaagtcca	agatttcata	tctggaaaag	240
aagactggga	gaggccagca	tgaatggcca	ctgtcctcgc	caaactctga	tgggtatgtc	300
taagtgtatc	ttgcaccagt	gaagctgaag	atcacaatta	ctgcctcaaa	tactcactgc	360
ctggaaaccg	gccacctctg	ctccaaaaca	agggcttgct	atgtgctgac	cttgtgtcca	420
agctccacc	ctgctgcttg	ttccaacngt	cttgcctctc	gtcttctctc	aatccgactg	480
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<210> 998
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 998						
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cagcctctga	gtacctgggg	ctacagatgc	atggccacca	caccagggga	aagtgtttac	120
ctcaactgcc	aatttacgga	ggatctctgt	ggatggtaaa	tcagagaaga	gtgtgaaagg	180
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tgaatataat	cggctgaaag	agaacaccag	aacactgttt	agaaggcaac	tataacatct	300
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gaatttgtga	ctt					373

<210> 999
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 999						
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tgccaagctc	tccatggcat	attatgctgc	cttccaagt	ccttaggctg	tgtgttgact	120
ggggcatcct	ctctgcaatc	atggctgtga	gtgatagggt	gacttgccaa	ctccctgatt	180
acctgccatc	catggaaagt	caacacctaa	atatgttgtc	ttatactact	agataatata	240

tgactattat	actgcaaaa	atctttttga	agcaaattat	aggaataaaa	tgagactaag	300
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<210> 1000
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 1000						
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accatacaat	acaatagtca	aagaggaaa	gttggatcga	tcagtgaagt	ttcacagaag	120
ttgtgacatt	tgggttggat	cttgaaagat	aatgggagct	ttgaaggtga	atgaaaaaag	180
aagtggaga	acattcctgg	tagatggaac	agcatatgcc	aaagcacaga	ggtccacatt	240
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gaccacgaac	ccaccgggag	aaatgaacaa	ctcccacgcg	cggncttaag	aactgtaaca	360
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aacttccgac	ccttccgaca	ttcanaagga	ccaactccaa	ccccncctt	aaaagttgac	480
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<210> 1001
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 1001						
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gcctcttga	gtctcagtga	gaaaacacca	agaaccctc	aaggagcagc	tgcaggtgaa	120
gcgacgacat	gcacagcatg	catcagaccg	cgctggacag	aggcgcttgt	tcctgtttct	180
acctctccc	acttcagagg	attccttcaa	taaaaatcaa	tttccaaaca	ag	232

<210> 1002
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 1002						
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cacctcagat	gtcataaaga	acactgactt	ggcaccagaa	gatctgtact	cacgtcctaa	120
ttcttcaatt	taacaagctt	tgtggccttg	gagaaactgg	ctgacatttt	tgagcttcag	180
ttttcacctt	tgtaaaatga	tgcagttgga	ctttctact	ggctcctcaa	cctttgtgtc	240
atgcattcta	tcaacgtttg	aactctgtcc	ttaccagcca	gtttcatccc	cactctgatt	300
ntcctcctc	ccaaccaaag	aataaaagca	gcaagcaaga	aatctccttt	tccaagcatg	360
acacttacat	gtttataggc	tgnctatggc	ccttttcata	atttgngctt	ttcaattttt	420
tttctgggat	ttaagtttta	aaagaataaa	ttttatcatg	aatctat		467

<210> 1003
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 1003						
aaangcatgg	ctntgcctcc	tcatttgaag	cccactcang	attgataata	aagaaagtaa	60
ctttgaagta	aacagggcca	gtcttatgag	tcttggagta	ataaaatgat	tctgtgcttt	120
gctc						124

<210> 1004
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 1004

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actggacaag	ccggcacc	cccatgattc	aaggatggcc	atagcccagt	ccaggagcag	60
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gaaaagagca	aacagaagtt	attcacatgt	gcacagaca	cgcaatccat	accacagcca	180
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tgacccttcc	agctacacct	agctcgggtcc	tcttcagagc	cacgccaaca	cccagggttcc	300
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acctcatcac	cagcatgaag	tgggctcttg	gagttgtcga	ctgactagtt	cacaattagt	420
gactcatagc	atctcactna	tttcttttca	tcaagtagga	ggagcaagt	ctgcactttt	480
gcacacatt	ttaaaaanat	ctgggngggt	gtttttttgc	ccaaaactaa		530

<210> 1005
<211> 336
<212> DNA
<213> Homo sapiens

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actgcaacct	ctgcctccca	ggttcaagtg	actctcttgc	ctcagcctcc	tgagatgtgc	120
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tgacaaaata	aaagaaagaa	tttcagtaca	aaaatc			336

<210> 1006
<211> 534
<212> DNA
<213> Homo sapiens

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cagatgtccc	ccaccacgtc	cggctaattt	ttgtattttt	agtagagacg	gggttacacc	180
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<210> 1007
<211> 276
<212> DNA
<213> Homo sapiens

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cacatgggtc	tggccaagac	agtccagcca	acctctcagc	caacagctag	catcaaagcc	120
cagaatgatg	agggagcaag	cctttggatg	attccagcaa	ccagcttttg	agctgcccc	180
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<210> 1008
<211> 327
<212> DNA
<213> Homo sapiens

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nccnctaaa	aaactgtttt	gcagaatcaa	atgccacaga	naagcanggt	aaaatcaggg	180
gtggaaaaaa	gaaccgctg	gggtccctgg	tcactttttg	tctcatgtt	tcccttggca	240
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taataaaata accttttttgaattatg

327

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